



Howard Cecil Co

Unguis sepium

Benjamin H. Peterson

MSS 2/0239-01

Acc. 1991-165

850 000 and 300
 860 300 000
 850 000 and 300
 860 300 000

Trapezoid -

Ratissimus Dr

Region of nose
an extension of V
and long horn -

13 Cerebralis as
ant - dorsum oculi
Diachela Masked

young under head of the
Sphen. 3. Cerebr. Spinalis

" Cephalic - Cervical

Sphen. Spinalis Cervical

" " Cerebr.

Rectus Capitis

"

llb

high 5 cm
P. d. 10 cm

lenses

post in vision

lenses

any with

occlusion

Stem

5-
od

2nd layer

Savatus Scapula

Rhomboh. d. d. d.

Variation in P. d.

Savatus Scapula

Enclitaxia d. d. d.

Conducting P. d.

R. d. f. d. d. d.

& Sacc. d. d. d. d.

an open area d. d. d.

accessory d. d. d. d.

Infusum d. d. d.

2nd layer

to

CO

CO

CO

CO

CO

CO

CO

CO

CO

from - Styloid process

Styloid process -

Stylo - Hyoidens

Stylo - Pharyngeus -

imp from relation
to Lingual art -

Genio Hyoidens

Genio Hyo glossus

Hyo glossus -

and draw down
to floor of mouth
protrude the
tongue origin
of muscular
tongue tie -

Superficial fascia - of head

Stetho - Mus. 2 leg

Stetho - Mus. 2 leg

apertures of head

relieve cases of
erupt from tubu

spasm
ale on skin

74

H. Dray: Sulfur hutton Rub 3/4
Septent Virginian 3/4
Scrupus 75-

Intercaria Subcutanea - Intercaria Mon
only occurs in persons who are habitually
contipated and who indulge freely
in the pleasures of the table
In constitutional intercaria feeding
solution - Intercaria of silver the
of H. S. M.

БИБЛИОТЕКА
ИМПЕРАТОРСКОГО
УНИВЕРСИТЕТА

R
617
M

SYLLABUS

OF

ST. MARY'S HOSPITAL
MEDICAL LIBRARY

THE COURSE OF LECTURES

ON THE

PRINCIPLES AND PRACTICE OF SURGERY,

DELIVERED IN THE

JEFFERSON MEDICAL COLLEGE, PHILADELPHIA.

BY THOMAS D. MÜTTER, M. D.

PHILADELPHIA:

J. H. JONES, PRINTER, NO. 34 CARTER'S ALLEY.

1848.

ENTERED, according to Act of Congress, in the year 1843, by
THOMAS D. MÜTTER, M. D.
in the Clerk's Office of the District Court of the United States in and for the
Eastern District of Pennsylvania.

NOTE.

The classification adopted in my lectures differs materially from that of any other surgeon, and its utility has been fully tested for several years. It will be perceived that I arrange all the subjects comprised in the course under *six* heads:

1. Under the *first*, I include *Inflammation*, its products and varieties, and *Wounds*.

2. Under the *second*, I shall consider all the diseases of the different tissues and organs, commencing with the *Bones*, and concluding with the *Skin*.

3. Under the *third*, the various affections of *Regions* may be considered.

4. The *fourth* division comprehends all *Tumours*, whether malignant or non-malignant.

5. In the *fifth*, the Diseases peculiar to *Females* will be considered.

6. In the *sixth*, *Amputation*.

THOMAS D. MÜTTER.

244 Walnut Street.

Oct. 1, 1848.

507

5-1054 of Mary's Hoof

Dunison	7 ¹ / ₂ to 10	Am
Huston	8 to 10	Am
Pancrast	7 ¹ / ₂ to	Pm
Mitchell	7 ¹ / ₂	Pm
Mutter	7 ¹ / ₂	Pm
Meigs	9 to 10	Am & 8 to 10 Pm
Bache	7 ¹ / ₂	Pm

Thomas J. Dunott
 Jeff^r College.

Hula del pñia January 4. 1852

Electricity. Certain bodies such as
Resaling wax & glass amber &c. have
the power of attracting light
bodies and after contact taking
place of repulsion & from this
power is called electricity

McMinnell - named according to interval
between the paroxysm - one day or
very common inter - Intertrial being
most common - In ataxia more rare
Aguarian fever appear to have been
hereditary - The chills may be
duplicated - one paroxysm may
run into another - divided in to
Chill fever and sweating stages
very rare for chills to come 1st pure
congestion of brain, pallid skin
in fever gangrene, your blood
goes to return &c. Sweating more
or less prolonged - Intermission
of stages may be very short
in remittent all ways fever
very easy of treatment - can alter
congestion of brain by
Hydrag. can not be certain the
next paroxysm may not be a
gangrene one never permit the inter
to pass over without giving some
the great medicinal one - then Arsenic
prep - and the Mineral & Veg. Arsenic
the 1st most generally suffice

best is to give medicine ^{once a day} near the time when
it is to occur give during intermission,
and rapidly increase dose during the
fit. always give sufficient quantity.
Stomach more disturbed by small doses
than large and the latter make the
stronger imp. The fever owes intensity
to imp of malarious effect. Some
of our southern State Rk by large
doses. Some men are so stout that ant. phos
has but 1/2 hour to open here give large
doses. Just like 4 yd Chlor but less
does produce full effect same doses
do or more. when I all now am using
Gua Sulph - 30 x rj } is to give small dose
Coch Aqua - T x } Dose a few 21 - days
And Sulph 30 x l x } there is an ex-
S. Gua Sulph 30 x l x } tendency to return.
S. Coch Por V. way } every 7-14 x 21 days
hours } If don't like to take

every day x or 12 every 5 days - just
by opt to disturb stomach here
Unless patient live in malarious
district patient un-
but almost always some malarious
poison reproduced - to stop malarious
spring give 7 or 15 grs of Gua Sulph.
Sometimes the ant. phos
produces cramps or colic by giving
or int app of Sympson -
Sometimes must resort to some other
preparation and use Ext Carb Flu
Sometimes bark remains on stomach when
Gua reject - Best way is to take
1/2 ounce of bark in morning for one

new irritability - avoid generally
a dose above $\times \times$ grs if have
an anemic give Cit Iron & Steel
five \times grs in Sops to be two grs
times - Calomel of Gumma has
also been used in very atonic cases
might give stimulant to a very
supine or unsteady

and give
Serp Regd 3j one during
Sore Bic Carb 3j after and
other 1/2 hour

Use in two parts expected
paroxysms where tendency to
apoplexy use Citrate of Gumma
or Bulboid of Gumma - Most
is a cure which it cures an
entire - very apt to cure permanently
Generally use it in form of Sops
varying from 5 to 40 drops 3 or
4 times a day - or give one day
drop of Gumma & 2 of Gumma - Anom
be a side of Gumma is not
so good as if Stomach is weak
use by water - Starch and
Opium by rect with Gumma
for 5 grs of age Salts Gumma grs
by induction Opium grs
on spine of the Starch
ham -

Some give 20 grs calomel
will often give a cure, but it
will be necessary to continue

Iron has been much used (now
Ferric phosphorous) some time
ago as ~~Sp~~ Lactum Z) good use
when ~~combinate~~ disc & drops) and calomel
of other substances won't do
in gastric cases calomel very
useful in doses 15-grs often
very good, attacks often disposes
path & to sleep given
now or two before persons
somatic pro-priety - is of
use - ver degris - only used
in Quarters given as a
~~medicine~~ emetic than
use of iron - Zinc
in chert in Iron where great
nervous pain - by lotus,
bark of Apple tree better than
Cornus florida bark maple
tree ~~in~~ make a strong
decoction use as much as
can bear. After cure very
liable to return on any change
of weather.

Sweat of peroxysm only in
violent cases great deb
of nervous system hard cold in
warm him - give some warm
tea with Senna & castor oil
harsh cases are opium to settle
nervous irritation common to
combine with Stimulant

a tourniquet-around from
Semi up very hard around
the Thigh. Can we bleed
for a contusion on general
not advisable if possible
hard take away little blood
if congestion in any one organ
use cups or leeches — when
pain in back cup in back
where pain is cent. or apply
very hot application —
pressure on spine will
give pain in arms & legs
cup & leeches —

SYLLABUS OF LECTURES.

INFLAMMATION.

DEFINITION.

LIABILITY OF TISSUES TO UNDERGO INFLAMMATION.—Some more liable than others. Some never attacked. Certain of the lower order of animals are supposed to be exempt from this action. Not as yet positively ascertained.

DIVISION OR CLASSIFICATION. First.—1. Acute. 2. Chronic. 3. Latent. Second.—1. Healthy. 2. Unhealthy.

Third.—1. Adhesive. 2. Œdematous. 3. Erysipelatous. 4. Gangrenous. 5. Specific. (Hunter's.) Fourth.—1. Phlogosis. 2. Epiphlogosis. 3. Metaphlogosis. 4. Hyperphlogosis. (Lobstein's.)

SYMPTOMS.—1. Local. 2. Sympathetic, general, or constitutional.

(1.) *Redness, heat, swelling, pain, throbbing*, and an *alteration or suspension* of the natural secretions of the part. Although these symptoms are usually present, inflammation may exist without their development. Cite cases.

(1.) *Constitutional symptoms.*

THEORIES OF INFLAMMATION.

EFFECTS ON THE BLOOD.

TERMINATIONS OF INFLAMMATION.—1. Resolution. 2. Delitescence. 3. Metastasis.

EFFECTS OR PRODUCTS.—1. Effusion of serum. 2. Effusion of lymph. 3. Adhesion. 4. Hardening. 5. Softening. 6. Atrophy. 7. Hypertrophy. 8. Chemosis. 9. Suppuration. 10. Ulceration. 11. Gangrene and mortification.

CAUSES OF INFLAMMATION—TWO CLASSES. 1. Constitutional. 2. Local.

First Head, or Constitutional.—1. Plethora. 2. Local determinations. 3. Fever. 4. Diathesis. 5. Disordered state of function. 6. Suppression of natural discharges. 7. Atmospheric vicissitudes.

Second Head, or Local.—1. Those which produce *palpable injury to organization*—as mechanical injuries of every kind—mineral irritants—heat, friction, extreme cold, &c.

2. *Those which operate through the sentient extremities of the nerves*—as concussion, pressure, constriction, irritating substances, as mustard, cantharides, &c.

3. *Fluids which produce a peculiar impression and give rise to a specific action or inflammation*—as decomposed animal matter, pus or serum from specific diseases. The most familiar examples of the operation of this class are, *dissecting wounds, pustule maligne, and glanders.*

4. *Those which suddenly change the natural feelings of the parts.* For example, drawing off the water in dropsy will cause inflammation of the serous cavity in which it has been collected. Peritonitis frequently comes on after the delivery; cystitis after the operation for stone, &c.

DIAGNOSIS.

PROGNOSIS.

TREATMENT.—Numerous indications are presented, most of which require to be fulfilled in nearly every case. They are modified of course by the peculiarities of the attack, the age, and the strength of the patient, &c.

1. We must endeavor to remove the cause. An exception to this rule is occasionally met with in surgery, when bullets, &c. lodge deeply.

2. We must diminish the action of the heart by nauseants, digitalis, general and local abstraction of blood, by venesection, arteriotomy, scarification, cups, and leeches.

3. We must reduce the sensibility of the part, and if possible cause constriction of its vessels, by cold—ice, irrigation, immersion.

4. When cold fails to reduce sensibility, apply steam, fomentations, poultices, warm water dressings, immersion in warm water, &c.

5. We must restore the secretions, if possible, by diaphoretics, mercury, iodine, warm baths, &c.

6. We must remove the original disease by counter-irritation, especially when it becomes chronic. For this we use irritating lotions, blisters, sinapisms, tart. antim., croton oil, issues, seatons, and moxas.

7. When the vessels are turgid, we must cause their contraction by astringent lotions, aided by scarifications, leeches, &c.

8. We must also prevent the afflux of blood into the part by position, frictions, and rest. *Pressure*, recommended by some, is generally a painful remedy, except in chronic cases.

9. We must always bear in mind the influence of the mind upon the body, and endeavor to cheer up the patient by every possible means.

PRODUCTS OF INFLAMMATION.]

I. SEROUS EFFUSION.

1. *Nature of this fluid.*

2. *Kind of inflammation usually producing it.*

3. *Time requisite for its separation.*

4. *Local phenomena.*

5. *Effects upon parts containing it and those in their vicinity.*

6. *Diagnosis.*—May be confounded with dropsy arising from other causes.

7. *Diseases produced by serous effusion.*—Hydrocephalus, hydrophthalmia, hydrocele of the neck, hydrothorax, hydropericardium, ascites, ovarian dropsy, œdema, anasarca, skin bind of children, hydrocele of the tunica vaginalis testis, hydrarthrus.

Tracheotomy operation

In Aedema of Larynx dont punctate Bistoury
around with Mueller's & cut tongue down & carefully
in every direction. Lungs get out & patient
saved. Antiphlogistics then

If compression fails = tracheotomy or Laryngotomy,
Subhyoid Laryngotomy all called Bronchotomy

Trachea recedes back from top of Sternum deep
Cutline of throat. Skin covering throat thin & delicate

1. Skin & Sup. fascia. 3 St. Hyoid & St. Thyroid.

As the middle line of these muscles enter the trachea
& isthmus of Thyroid glands. 5 Thyroid plexus. Veins
Don't cut. If hemorrhage arises from them if possible. Cut the carotid
6 the middle Artery of Neck. going to thyroid gland
7 deep fascia of neck 8 Trachea.

In middle region. Very simple. Skin Sup. fascia & table
& very few muscular fibres. no artery. glands is below it.

Vicq Dazey SK. 5 fascia. Muscles. then Ligament in which an
artery. thin between middle & lower 3rd.

Upper part - 3rd - SK. 5 fascia. muscles going to cartilage
then Ligaments. no artery. This is Sub Hyoidaeum.

Nerves divide Thyroid cartilage unless something is tangled in Vocal
chords. Sub Hyoidaeum never performed on living. Want scalped
artery first. Looking for upper & lower tracheal tube. Best that of Thompson
2 strokes on pieces of tape. One to pull. cannot pass. Second head
& arms. Surgeon pushes up. piece of skin passes knife through 1/2 in. then
Then in time of cutting. tear tissues with forceps for fear of hemorrhage
pal artery till it is cut. get it away. if hard to get. place the
finger over middle artery. Nerve opens trachea while
blood is flowing. Put Tenaculum in Trachea. Back of your knife to the
Sternum. Voice is lost. I cut oval piece of cartilage. Pull away and
Membrane.

[Faint, illegible handwriting covering the page]

1.
4 operations generally performed on ^{trachea} neck include
Name. Often we are obliged to perform these oper
2 In order to be certain in our diagnosis we
should use the grooved needle, unless the
tumor pulsates, when it might be an Arterian
push the tumor to one side if over an artery as the
pulsation may have been ~~the~~ caused by this.
Generally is an elastic, smooth on its external face,
tumor very slightly redened sometimes at others
not, if the diagnosis proves it Hydrocele, puncture
with trocar let out the fluid and apply
pressure to the sac. Sometimes these measures fail
and then use the seton (small one)

5. Paracentesis Articulæ for Hydrop. Articulæ. This
is generally the result Chronic inflammation - known
cause of encasement, elastic feel no ~~swelling~~ actual
pain and uniform swelling, does not tap. as the
introduction of air will act as a powerful
irritant. use then Constitutional remedies, and
pressure. 6. Anasarca - & Edema this is an
infiltration of the cellular tissue with water
and urea Sometimes produce enormous
swelling, a puncture of the skin will
often relieve the swelling but be very careful
for fear ~~and~~ of gangrene following the puncture
Make the Scarifications few in number and
far apart.

in the form Bronchotomy though each has its own
on trachea for the removal of foreign bodies or
for adema or anasarca of Pharynx. In making
diagnosis we should also enable to find out what
part of either of the passages it occupies. Now if
we know that the foreign body has been swallowed
during an inspiration, it is all probability it has lodged
in the ~~Trachea~~ trachea. In recent cases we can hear
the body moving. Certain bodies cannot pass
into the trachea as sandbars - If operate for
extraction of Foreign body always perform the
operation of Tracheotomy. If patient was eating at
time of accident generally lodges in the Pharynx. 1st
Assure p - no danger and by calming the mind
you will lessen his convulsive struggles. If possible
extract with Rind's Gullet forceps if this can't be
done and the substance susceptible of it, push it
down with probang or get it out if possible by means
soured at the end. Or sometimes we use the probang
with a skin of thread tied on one end, and draw
out the body by entangling it in the threads.
If great danger of suffocation open the Crico
Thyroid space. If substance indigestible as
button get it out or force down if this is impossible
but if copper don't leave your patient until
you have prepared him against the poisonous
action of acetate of copper which is formed by
its union with the acids of Stomach by ordering
appropriate diet. 4. Paracentesis Colli operation
for Hydrocele of the neck. Diagnosis. A large
tumor formed upon neck containing serum

Effusion of Coagulable Lymph.

1. Though usually the result of acute yet sometimes chronic Inflamm. will produce it. It may if thrown into a cavity glue together its walls. If in cellular tissue will form tumors or Elephantiasis. If in the white tissue may cause it to become opaque, as in cornea making corneal speck. 6. How is it that this plasma forms hard or soft tissue, 1st We observe a creamy fluid slightly yellow and very tenacious, in 3 kinds of lymph. Fibrinous Corpuscular & Mixed. 3. Circumstances modifying 1. State of Blood. 2. Tissues involved & 3. Grade of Inflammation. Composed of serum and globules. 2. Phase of devel. This plasma is thrown into microscopical fibres is then Fibrination. 3. Have showing themselves, the nucleated cell, synonyme Exudation Corpuscles organic cells. 4. In various parts have blood vessels ramifying known by numerous red points appearing in mass, which are sui generis or ramifications of neighboring vessels, then follow nerves about be necessary for the mature organization. Suppose the cells fail to reach maturity what becomes of them, they die the partially ^{created} softened tissue breaks down and we have pus. Fibrinous lymph have adhesion. Corpuscular fibrinous no adhesion. Mixed that he is about for. Crusts membrane is coagulated.

///

/// Adhesion We will pass over since we have so many ways of illustrating it

Elephantiasis is chr. Infl. of cellular tissue rarely cured.

(7)

8. Operations required to relieve these affections.

- (1.) Paracentesis capitis, in hydrocephalus.
- (2.) Paracentesis oculi, in hydrophthalmia.
- (3.) Tracheotomy, in oedema of the glottis.
- (4.) Paracentesis colli, in hydrocele of the neck.
- (5.) Paracentesis thoracis, in hydrothorax and hydropericardium.
- (6.) Paracentesis abdominis, in ascites and ovarian dropsy.
- (7.) Paracentesis scroti, in hydrocele of the tunica vaginalis testis.
- (8.) Paracentesis articuli, in hydrarthrus.
- (9.) Puncture of the skin, in oedema and anasarca. *Puncture let off water
superficially*

II. EFFUSION OF COAGULABLE LYMPH.

1. Nature of this fluid. *3 kinds according to circumstances what are they*
2. Kind of inflammation producing its separation.—Must not be too high or we have pus; nor must it be of too low a grade. There is evidently a secreting point.
3. Time required for its formation. *Hunter found 35 minutes, generally several hours or days.*
4. Tissues in which it is most liable to occur. *Skin.*
5. Effects upon the part into or upon which it is thrown.
6. Stages through which the lymph passes in its organization.
7. Diseases resulting from this effusion.—Hepatization of the lung; corneal speck; various tumours; the hardness about boils and erysipelas; elephantiasis; closure of the trachea in croup; strictures; adhesions; and strangulations.
8. Operations required to relieve the effects.—Extirpation of various tumours; amputation of a limb; tracheotomy or bronchotomy in croup; the different operations for strictures; separation of adhesions as in atresia vaginæ; operation for hernia.

III. ADHESION.

Definition.—The accidental or abnormal union of parts, either separated naturally or by some chance, from each other.

Nature of this process.—This product of inflammation, or according to some, of irritation, is nothing more than the effusion of coagulable lymph or plasma, under peculiar circumstances. When, for instance, a simple cut or wound unites, without suppuration, the bond of union is either pure coagulable lymph or the fibrine of the blood; and it is said to heal by *adhesion*, or by "*adhesive inflammation*," or the "*first intention of Hunter*." Professor M'Cartney calls this process "*mediate union by lymph*," and denies the existence of inflammation in its accomplishment.

Theories in relation to this process.—Hunter's; Thomson's; John Bell's; Maunoir's; Delpech's; Serre's; Duhamel's; those of the Physiological school, &c.

Changes which take place during the organization of the bond of union.—1, Coagulation; 2, change in color; 3, formation of vessels; 4, increase of firmness; 5, conversion into fibrous or cellular tissue.

Process of vascularization.—Theories of Hunter, Duhamel, Clanny, Sir E. Home, Gendrin, Laennec, &c.

Appearance of cicatrix.

Utility of this process.—Exhibited in the adhesion of wounds. The attachment of the lungs to the ribs in pleurisy. The cure of hydroceles, cysts, and fistulæ. The cure of wounds about the abdomen. The arrestation of hemorrhages. The restoration of parts entirely separated from the body. And the success of plastic surgery.

PLASTIC SURGERY.

Definition.

Synonymes.—Autoplastic surgery; anaplastic surgery; animal grafting; *chirurgia curtorum per insitionem*; morioplasty; heteroplasty; taliacotian operation, &c.

History.

Indications for the employment of plastic surgery.

Circumstances which favor the success of the operation.

Circumstances which forbid its employment.

Result of these operations.—1. Favorable. 2. Unfavorable.

Treatment after a plastic operation.

Classification.—Several general groups. 1. Operation intended to restore parts either entirely or partially separated from their original connection.

2. Operations intended to restore lost organs by a process similar to vegetable grafting, and hence called the "*operation by transplantation*." The new flap is here entirely detached from its original position.

3. The operation by "*transposition*;" the flap is here left attached by a pedicle, and is taken from parts either in the vicinity or at some distance from the seat of disease.

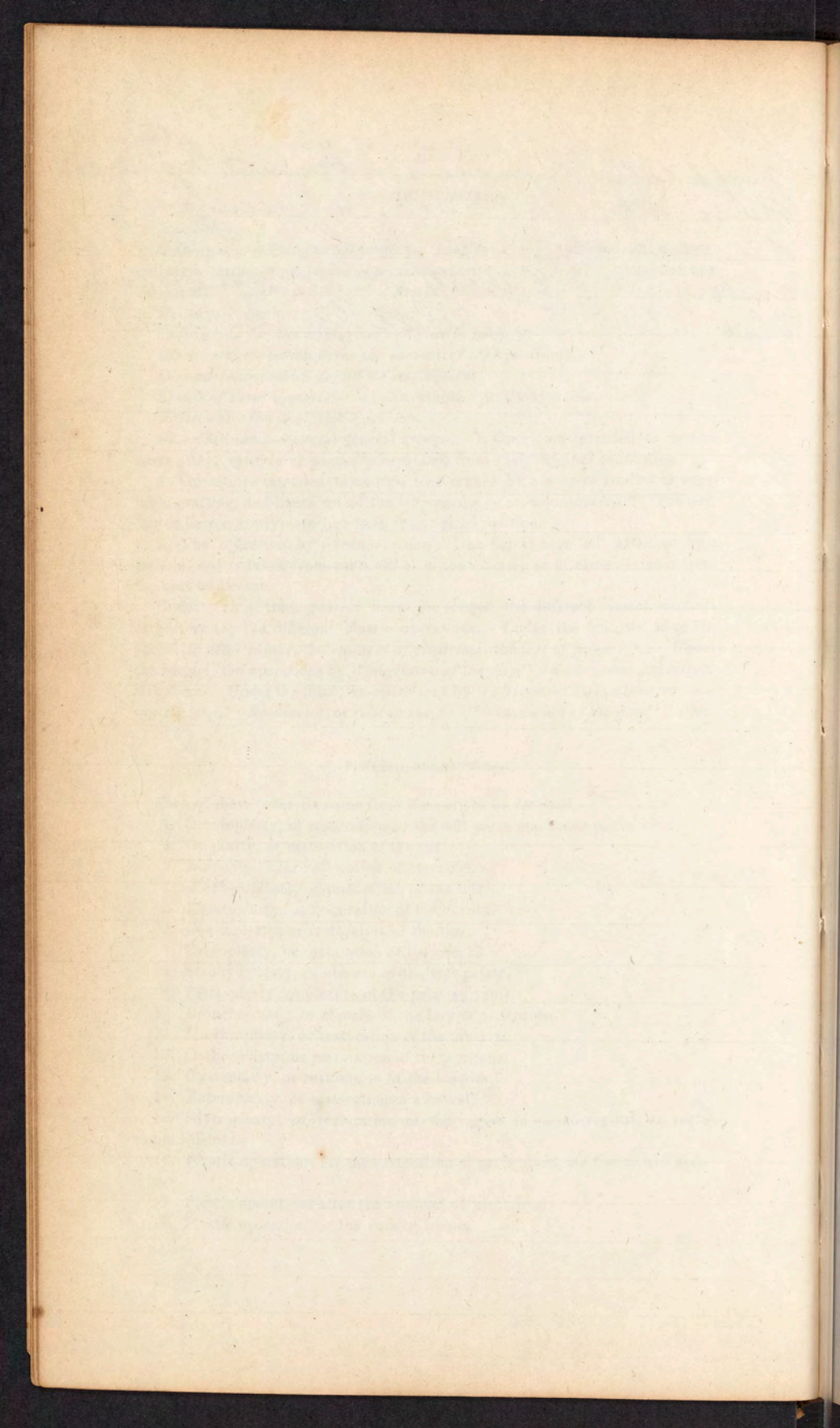
Under each of these general heads are ranged the different special methods of performing the different plastic operations. Under the first, we have the operation after cancer, the removal of cicatrices, the loss of fingers, &c. Under the second, the operations by "*migration of the flap*," "*detachment and migration*," &c. Under the third, the operations by "*glissement du lambeau*, or *sliding the flap*," "*Roulement*, or *rolling the flap*," "*inversion of the flap*," &c. &c.

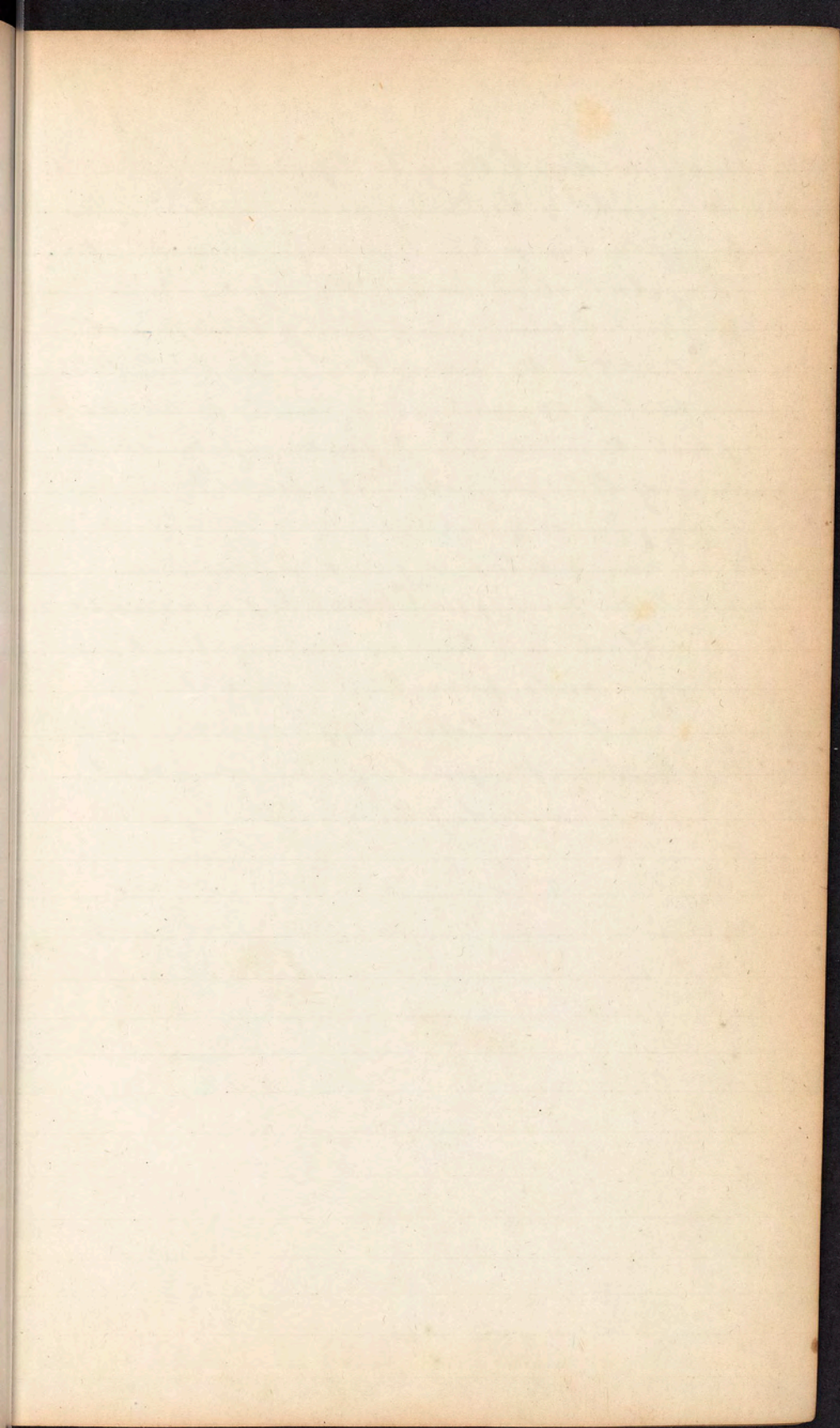
PLASTIC OPERATIONS.

Each of these takes its name from the part to be restored.

1. Cranioplasty, or restoration of the soft parts and bones of the head.
2. Otoplasty, or restoration of the ear.
3. Rhinoplasty, or restoration of the nose.
4. Blepharoplasty, or restoration of the lids.
5. Keratoplasty, or restoration of the cornea.
6. Cheiloplasty, or restoration of the lips.
7. Genioplasty, or restoration of the cheeks.
8. Staphyloplasty, or closure of the soft palate.
9. Palatoplasty, or closure of the palatine vault.
10. Bronchoplasty, or closure of the larynx or trachea.
11. Urethroplasty, or restoration of the urethra.
12. Oscheoplasty, or restoration of the scrotum.
13. Cystoplasty, or restoration of the bladder.
14. Enteroplasty, or restoration of a bowel.
15. Elythroplasty, or restoration of the vagina in vesico-vaginal, or recto-vaginal fistula.
16. Plastic operations for the restoration of parts about the thorax and abdomen.
17. Plastic operations after the removal of cicatrices.
18. Plastic operation for the cure of hernia.

Lymph cells degenerate & become honey cells
Also into fat cells. Corpuscular lymph
degenerates into fat cell Envelope of which the
nuclei are fat. Another Calcareous cells,
also into Pigment cells. Pus cell





IV. Hardening. Owing to deposition of plasma
as in Schirrhous. V Softening, as in chronic inflam-
of brain, in the heart. VI. Atrophy generally the
result of Metastasis, As in Mumps, The swelling
leaving parotid gland and being transferred
to Testicles, Here the indication is to bring the
disease back to original seat, and if we can't
accomplish this we must fear very much the
beginning of Atrophy. Have it also in brain in
bone Kidney lump. VII. Hypertrophy Sometimes
occur in most vital organs, no one can
tell the result here. VIII. Chemodis. Excessive
deposit of blood in a tissue. Making thicker
rupturing vessels, presenting to eye a hard
shining and lamelated appearance. It
always destroy the part if Surgeons don't
use most active Antiphlogistic Means

Softening produced by supp^m by impairing vitality of part.

IV. HARDENING.

Definition.

Causes.—Besides inflammation, it may result from natural causes, or it may be produced by simple congestion; undue accumulation in the cavities of organs; hypertrophy; loss of the fluids of an organ; interstitial deposits, and the presence of unorganized masses, as *tubercles*, &c.

Manner in which inflammation produces hardening. *Effusion of Plasma*
Tissues liable.

Effect on organs.

Treatment.

V. SOFTENING, OR RAMOLLISSEMENT. *Pulverulentum*

Definition.

Causes.—Usually from inflammation. May result from defective nutrition; disease of arteries; want of proper food; altered qualities of the blood, &c.; the solvent qualities of the gastric juice.

Tissues liable to it. *Mucous membranes, Chronic Syphilis*

Effects on organs.

Treatment.

VI. ATROPHY.

Definition. *Wasting*

Causes.—Besides inflammation, it may result from a *law of nature*, as in the *wasting of the thymus gland*; an arrest of the nutritive process before birth; from a state of inaction; loss of nervous power; pressure; diseases of various kinds.

Division.—Partial and general.

Effect on bulk of organs.—May exist without any positive loss of size, as in *eccentric atrophy of the heart*, &c.

Effect on function of organs.

Tissues most liable to be attacked.

Treatment.

VII. HYPERTROPHY.

Definition.

Causes.—More active nutrition in a part, dependent often on inflammation; but also the result of other causes—as exercise; vicarious function; excessive or unusual exertion in the involuntary muscles. It may also be congenital. Certain climates and trades also predispose to its occurrence. Castration and excision of the ovaries will cause hypertrophy.

Division.—Partial or general.

Effect on bulk of organs.—May exist without positive enlargement. Cite examples of this.

Effect on function of organs.

Tissues most liable.

Treatment.

VIII. CHEMOSIS.

Definition.

Causes.—Acute inflammation.

Symptoms.

Tissues most liable.

Prognosis.

Treatment.

Hectic fever has cold hot sweating
stage—generally afternoon or Evening
nervous paroxysmal disease

IX. SUPPURATION.

Definition. Stage of inflammation or suppuration.

Causes.—Invariably the result of inflammation. This is doubted by some, but without foundation. The inflammation must not run too high, for here, as in the secretions, there is a "secreting or rather suppurating point," above or below which pus will not be formed.

Situations in which it is formed.—1. Upon exposed inflamed surfaces, as the skin, mucous membrane, &c.

2. Upon unexposed surfaces, as serous membranes, cellular membrane, &c; here called "purulent effusion."

3. On granulations.

4. In a sac, to which we apply the term *abscess*.

5. It may be diffused through the whole substance of an organ.

Time required for its occurrence.—Varies from thirty-five minutes up to several hours, or weeks.

Symptoms.—1. Local. 2. Constitutional.

Theories relative to the formation of pus.—Numerous. Those of Hippocrates and Galen, Boerhaave, Hoffman, Stuart, Hunter, Simpson, Morgan, Gendrin, Carswell, Gulliver, Donné, Andral, and Gerber, explained.

Usual change in tissue before pus is formed.—Puogenic membrane of Hunter.

New gland of Simpson; not always present; usually exists in abscess.

Pus.—Two kinds; healthy or laudable, and unhealthy.

1. *Physical properties of healthy pus.*—Colour, smell, consistence, taste, specific gravity.

Microscopic examination of.—Two parts, solid and fluid. Solid composed of pus globules, and pus molecules. Difference between these and globules of blood.

Chemical analysis of.

Tendency to putrefaction.

2. *Several kinds of unhealthy pus.*—(1.) Ichorous pus. (2.) Sanious pus.

(3.) Creamy pus. (4.) Curdy pus. (5.) Slimy pus. (6.) Serous pus. (7.) Sordes.

(8.) Malignant pus. (9.) Contagious pus.

Character of pus modified by cause and surfaces secreting it.

Action of pus on the surface secreting it.

Diagnosis.—May be confounded with mucus. The various tests examined. Also with tuberculous matter.

Prognosis.—Depends on extent and location of deposite, &c.

Treatment.—General principles laid down. Modified by circumstances.

1. Local remedies. 2. Constitutional.

ABSCESS.

Definition.—A collection of pus in an accidental or preternatural cavity. When pus is collected in a natural cavity, it is called an "effusion."

Causes.—Always the result of inflammation; theory of Dehaen no longer maintained.

Classification.—1. Old arrangement into "acute or hot," and "cold or chronic," no longer retained by most authorities.

2. Abscess of debility, or asthenic abscess.

3. Purulent deposit, or abscess by congestion.

4. Metastatic abscess.

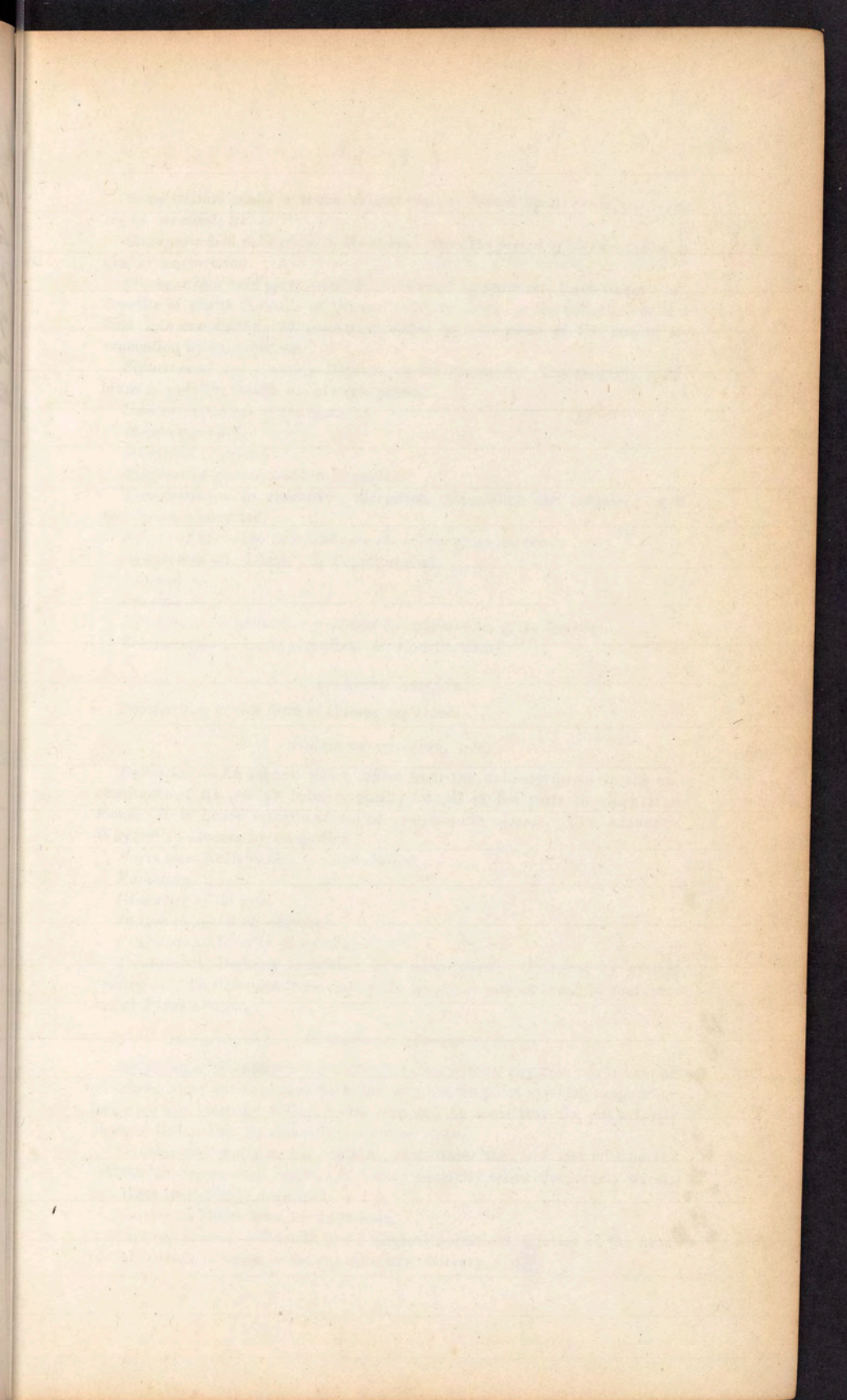
Suppuration. Necessarily the result of Inflammation but there is a secreting point above which or below we have different products. Situations in which it is formed. 4. In sac making abscess. this sac being formed by the plasma, this sac being the pyogenic membrane of Hunter the new gland of Simpson 5. May be diffused through whole substance of part then making sinuses. d. From 35. to several times or weeks. In highly organized tissue and high grade of inflammation will form in 35 min. Though we rarely have it formed so speedily. f. 1. an acute throbbing pain swelling often redness the patient alone par- effusion of plasma this is destroyed and we have pus. 2. When suppuration is about to commence we have the pain lessened the tenderness gone pulse becomes fluttering. Skin most ^{soft & fluctuating} no thirst and above one never falling symptom a rigor. f. of Hippocretis. That pus is an alter condition of blood not so microscope show an essential difference between the pus and blood globule one is flat & disc one simple and other compound. Hoffman considered it a softening of fat. others that it was chyle. Microscope will confound all. Pus is a fluid serum containing dead exudation corpuscles making the pus globule and containing also the pus molecule and epithelium scales which molecules are nothing but the nucleus of the exudation corpuscles.

1
1. Pus is fluid of peculiar Musky taste, creamy
~~has~~ no smell if healthy rather tenacious and
sinks in water. Healthy pus is not irritating
unhealthy is. 2. Scrofulous pus globules very
heavy, and will remain at bottom of vessel. 3.
A greenish pus very thick showing inf of higher
grade. 4. Slimy pus. Indicating high inflammation
pus of Dysentery. 5. Sordes a blackish pus showing
Necrotification of cellular tissue. 6. Red thick
pus is only simple healthy pus mixed with
blood. 7. Serous pus Called Ichur is thin and
acid producing much irritation when
comes in contact with healthy tissue being
an altered condition of serum of blood. 8. Pus
not only indicates the kind of the kind of inflam-
but also the tissue attacked. for instance if we find
in it phosphate of lime it will show at once the
disease of bone, when from a mucous membrane
there will be in it an unusual amount of
epithelium scales. 9. But one positive test the
Microscope. To be depend on location and
extent. If we have an acute inflam on an
internal surface the prog is unfavorable
if chronic the deposits being slower we will
have time to use our remedies. it will be
more favorable. Also Modified by extent of inflam.
If we drain very unfavour. Treatment. 1st Before
Suppuration has taken place we use most active
Antiplogistics to procure resolution but if in spite
of every thing suppuration will go on we change

Infam

Treatment - ~~field~~ ^{field} ~~spontaneous~~ ^{spontaneous} and ~~case~~ ^{case} ~~was~~ ^{was} ~~in~~ ⁱⁿ ~~formation~~ ^{formation} ~~good~~ ^{good} ~~did~~ ^{did} ~~give~~ ^{give} ~~with~~ ^{with} ~~hope~~ ^{hope} ~~and~~ ^{and} ~~to~~ ^{to} ~~support~~ ^{support} ~~constitution~~ ^{constitution} ~~and~~ ^{and} ~~to~~ ^{to} ~~relieve~~ ^{relieve} ~~plump~~ ^{plump} ~~and~~ ^{and} ~~thawing~~ ^{thawing} ~~brought~~ ^{brought} ~~the~~ ^{the} ~~suppuration~~ ^{suppuration} ~~if~~ ^{if} ~~internal~~ ^{internal} ~~abscess~~ ^{abscess} ~~must~~ ^{must} ~~indicate~~ ^{indicate} ~~to~~ ^{to} ~~procure~~ ^{procure} ~~absorption~~ ^{absorption} ~~if~~ ^{if} ~~internal~~ ^{internal} ~~generally~~ ^{generally} ~~puncture~~ ^{puncture} ~~the~~ ^{the} ~~abscess~~ ^{abscess}.

3 modern theories of formation
of pus. - 1. ~~Fluid~~ ^{Fluid} ~~new~~ ^{new} ~~formation~~ ^{formation}
developed out of fibrin. 2. ~~Fluid~~ ^{Fluid} ~~comp~~ ^{comp}
of serum & ~~mucous~~ ^{mucous} ~~cell~~ ^{cell} ~~Henle's~~ ^{Henle's}.
B. adopted by best ^{modern} pathologists. Serum & globules
were ~~condensed~~ ^{condensed} ~~cells~~ ^{cells} ~~failed~~ ^{failed} ~~reach~~ ^{reach} ~~maturity~~ ^{maturity}.
Pyogenic membrane formed of mixed lymph
the fibrine becomes ^{a dense granular} ~~solid~~ ^{solid} ~~the~~ ^{the} ~~surface~~ ^{surface} ~~cells~~ ^{cells}
form pus. Pus cells spherical consist of investing
membrane nuclei oil globules & molecules.



Some writers make a much greater variety, based upon *cause, tissue, or organ involved, &c.*

Changes which take place in the tissues from the period of inflammation to that of suppuration.

Changes that take place after this.—Divided by some into three stages: 1st, deposit of pus in the cells of the part; 2d, maturity, or the collection of this fluid into one cavity; 3d, resolution, either by absorption of the pus, or its evacuation by an operation.

Structure of an abscess.—Depends on its character. The purogenic membrane is usually, though not always, present.

Uses or functions of the cysts.

Mode of growth.

Direction of growth.

Progress of growth.—Slow or rapid.

Termination.—In resolution, ulceration, granulation and adhesion; or it may become encysted.

Effects of air when admitted into the cavity of an abscess.

Symptoms.—1. Local. 2. Constitutional.

Diagnosis.

Prognosis.

Effect on the constitution produced by suppression of the secretion.

Treatment.—1. Local remedies. 2. Constitutional.

ASTHENIC ABSCESS.

Peculiarities of this form of abscess explained.

PURULENT DEPOSITE, ETC.

Definition.—An abscess which differs from the ordinary forms in the circumstance of its pus not being originally formed in the parts in which it is found. It is hence sometimes called *symptomatic abscess*. Cite examples. Why called abscess by congestion?

Parts most liable to this form of abscess.

Pathology.

Character of the pus.

Diagnosis.—Often obscure.

Prognosis.—Usually unfavourable.

Treatment.—Depends somewhat on circumstances. Governed by general principles. To illustrate more clearly the proper treatment speak of that form called *Psoas abscess*.

METASTATIC ABSCESS.

Definition.—An abscess that suddenly forms without any previous indication of inflammatory action, and in parts distant from the point in which suppuration has originally existed. Hence it was supposed by some that the pus actually changed its location, or that *metastasis* took place.

Location.—Usually in the viscera. Sometimes they are met with in the cellular tissue, muscles, joints, &c. They generally select the largest viscera and those most highly organized.

Number.—Varies from one to several.

Exciting causes.—Wounds, great surgical operations, injuries of the head, trivial wounds of veins in bad constitutions, delivery.

Proximate cause.—A number of theories on this point; supposed by some to be tubercles previously existing in the organs attacked, and softened by the general irritation of the system; by others, direct absorption of pus by the veins or lymphatics, is considered the true cause; others again refer it to *sympathy*; but the doctrine now generally received, is that which considers the true cause to reside in *inflammation of the venous capillary vessels or larger veins*.

Condition of the organ in which or around which the abscess forms.

Symptoms.—1. Constitutional. 2. Local. Both modified by the location of the abscess.

Diagnosis.—Obscure.

Prognosis.—Generally unfavourable.

Treatment.—1. General remedies. 2. Local remedies. Both modified by circumstances.

PISTULA, OR SINUS.

Definition. *Sinuous ulcer*

Causes. *Stomach like mucous surface will not heal*

Symptoms. *Effusion of blood*

Pathology.

Diagnosis.

Prognosis. *See Sulphate of Copper as Injection of great*

Treatment. *more for Warty & Scurvy. Laying open & dressing*

HECTIC FEVER.

taken with stimulus

Definition.

Causes—1. Constitutional. 2. Local.

Symptoms.—May be divided into three groups: 1. Slight febrile action, with exacerbations in the evening. 2. The febrile action is continued. 3. Prostration indicated by perspiration, diarrhoea, marasmus, &c.

Diagnosis.

Prognosis.

Treatment.

X. ULCERATION.

follows Inflammation

Definition.—Differently defined by different authors. I adopt that of Phillips: "Ulceration is that product of inflammation in which there is a loss of some part of the body, which from some peculiarity, local or general of the constitution, manifests no tendency to heal, so long as that particular condition exists."

Distinction between wounds and ulcers.

Predisposing or exciting causes of ulceration.—1. Constitutional. 2. Local.

Proximate cause.—Difference of opinion among authors. Hunter's doctrine of "Ulcerative absorption" explained. Difference between it and "progressive absorption."

Liability of tissues to ulceration.—The most highly organized, are most frequently attacked. Some tissues are exempt.

Natural tendency of ulceration.—When left to itself it generally extends. Sometimes it heals spontaneously.

Effects of ulceration upon the part attacked, or upon the constitution.

Tissue forming the surface of an ulcer.—Called a *granulating surface*.

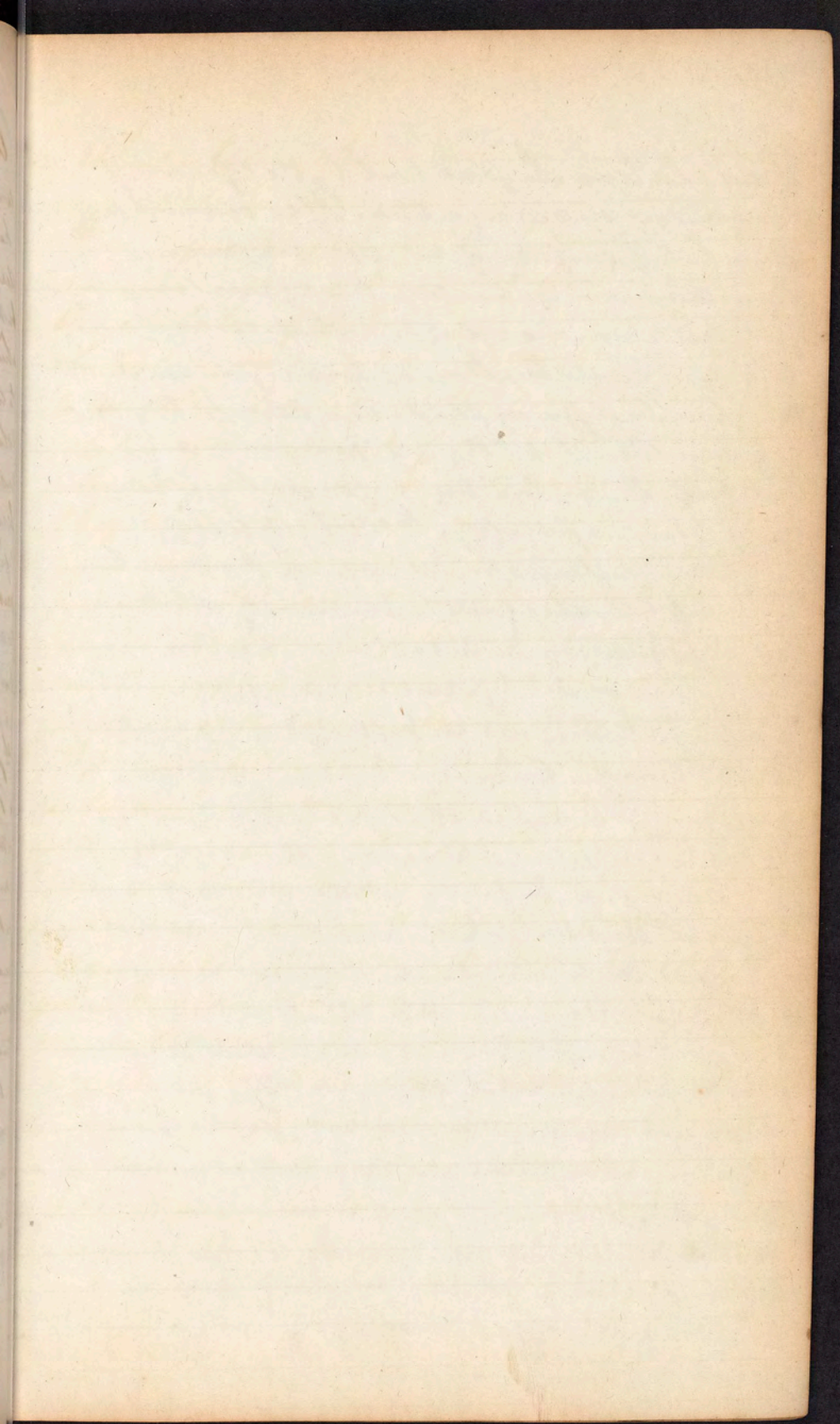
ulceration

Ulceration ^{is} a good definition but one exception will apply in malignant diseases. Since nature here deposits granulations to counteract the destructive action of the disease. B. A wound is but a solution of continuity from external violence which may under certain circumstances give rise to an ulcer. Whilst on other hand an ulcer is solution of continuity produced by some internal constitutional cause. C. As Syphilis - gout Rheumatism Scirrhus. Local violence persons &c. D. Hunter lyes all phenomena of ulceration to absorbents of the part which stimulate its own absorbents to take it up. One argument will prove its fallacy. Would not poisons be absorbed if applied to surface of an ulcer? They would but this is not the case and Hunter's theory is untenable.

1st process of ulceration, is softening of tissues 2nd is Molecular disintegration. Sometimes can be seen with naked eye and always with microscope. 3rd part of the tissues may be absorbed but the main part is carried away in the pus. The proximate cause of ulceration then is the loss of that plastic power that must exist that tissues may retain their vital order. E. Whether have healthy or unhealthy always same depends 1st On amount of inflammation. 2. On tissue attacked. 3. On Cause whether Constitutional or local

The surface of healthy healing ulcer is called a granulating surface

Abstract of the Report of the
Committee on the
State of the
Department of the
Interior
for the year 1850
as presented to the
Senate of the United States
at the Session of 1851
by the Hon. John C. Smith
Secretary of the Department
of the Interior



An ulcer of nail of 90° all healed with no scars
Always test an ulcer

Granulation Surfaces heal by the effusion of plasma, and its organization. If we examine the granulating surface of an ulcer we perceive granulations and connecting these granulating points, little mucous cylinders which contract and draw these points together. The Mucous Cylinders of Heale these granules differ in shape and color. If they have a pyramidal shape they are purpous and wont heal. B. The two though generally combined may exist separately. **Bicatrization**

B. The tissue uniting wound or ulcer **Modular tissue**

C. Essentially difference in nearly all cases

there is no fibre in modular tissue it is homogeneous

Muscle never unites by muscle - In all tissues when

plasma is thrown out for purposes of repairation

it is the same fluid - In some however we have it

forming original and in others modular tissue.

In cicatrizing the cuticle is always more delicate than it is

in ordinary skin, under the cuticle there is not like

mucosum. The cellular tissue is not like usual

cellular tissue but presents different appearance

No hair follicle under this cellular tissue no

sebaceous follicle. The modular tissue therefore

is below par, less vital power in consequence of

its deficient organization and will break sooner

than any other tissue it is the weakest part of

the body. It is thus a peculiar tissue and with

peculiar diseases to itself. It has a cancer

but this schirus is not like ordinary schirus

Hence the importance of healing if possible by 1st

intervention of Hunter Solutions Continuity.

When plasma throws out 2 change - no converts
weak corpuscles into pus. Other plasma cells
into organized matter - aggregates of granules
(13)

GRANULATION.

A Nature of granulations.—1, basis or element of which they are formed; 2, size; 3, colour; 4, shape; 5, temperature; 6, organization. Guterboch's statement as to what enters into the composition of a granulating surface.

B Dependence of granulation upon suppuration.—Pus is supposed by some to be essential to the formation of granulations; by others this is doubted. It is not found, for example, in ulcers of the cornea or cartilage.

CICATRIZATION.

A Cicatrization, or the healing of granulating surfaces.

A Definition of a cicatrix.—Tissue by which a wound or ulcer is united. By Delpsch it is called the "inodular tissue."

C Difference between cicatrix and the tissue it unites.

C Modification.—This process is modified by a variety of circumstances; for example—

1. When it occurs under a scab or crust of blood, the cicatrix forms over the whole surface, and is smooth and pliant.

2. When it takes place on a smooth, moist surface, as when a wound heals by the "modelling process of M'Cartney," the surface is smooth, and the cicatrix a mere line.

3. When it forms on granulations, the process usually commences at the edges of the ulcer, and the surface is often irregular and prominent.

4. It is also much modified by the cause of ulceration. Those, for example, produced by burns or scalds, are more irregular, have more extensive adhesions, and cause more serious deformity, than when they result from any other cause.

E Specific ulcers usually produce a characteristic cicatrix.

5. The character of a cicatrix is also modified by the tissue in which it occurs.

Structure of cicatrix. *Spontaneous, fibrinous, & laceration membrane of Dene*

Profundity or depth.

Force with which it contracts during the process of formation.

Circumstances which prevent or retard cicatrization.

Nature of the tissue of a cicatrix.

Power of resisting disease, and diseases peculiar to the cicatrix.—Refer to Mr. C. Hawkins for an excellent paper on Cancer of Cicatrices.

J Form of cicatrix. Dupuytren's classification. *pg 19*

J Prognosis as to the result of operations.—Depends on a variety of circumstances. We must take into consideration—1st, the depth of the cicatrix; 2d, its age; 3d, its location; 4th, its extent; 5th, its peculiar character; 6th, its vascularity; 7th, the condition of the parts in its vicinity; 8th, the health of the patient. *13*

H Treatment of cicatrices.—May be divided into—1. That proper during the formation of the cicatrix. 2d. That required after its complete formation.

J Indications under first head.—1. Remove all agents calculated to prevent cicatrization.

2. Endeavour, as a general rule, to make the cicatrix as small as possible, unless by so doing we interfere with some function.

3. Prevent the cicatrix being too small or too short, as in wounds about the fingers, face, &c.

4. By caustics or the knife prevent fungous granulations.

Indications under the second head.—1. Endeavour to relax the cicatrix by frictions, baths, extension, &c.

2. When these means fail, perform an operation. The character of the operation is modified by circumstances. To render this part of the subject more simple, the operation required in each form of cicatrix may be briefly referred to.

(1.) In the *narrow cicatrix* without extensive adhesions, divide the cicatrix, extend it, and maintain it extended for some time.

(2.) In the *prominent cicatrix*, slice it off, or keep it down with *caustics*, or slough it out.

(3.) In the cicatrix with *extensive adhesions*, cut out the cicatrix and fill up the space with sound skin. The practice of Hildanus, Earle, &c., in these cases explained.

(4.) In contraction of *natural openings*. The operation of Dieffenbach, &c., explained.

(5.) When an organ is *entirely destroyed*, the *cicatrix* must be removed, and a plastic operation performed.

ULCERS.

Definition.—Solution of continuity, accompanied by the secretion of pus or other fluid—(Liston and S. Cooper.) A granulating surface secreting pus—(A. Cooper.) This definition is objectionable, inasmuch as we may have secretion of pus *without granulations*. The definition of Liston and S. Cooper is better.

Difference between ulceration and an ulcer.

Classification.—Difficult. The causes, the symptoms, and the parts attacked, have each been taken as the basis of a classification. That of Liston I prefer, as being most simple. He makes six varieties of ulcer, and in this agrees with Sir E. Home. Their classifications are almost identical.

1. The simple, healthy, or healing ulcer.
2. The weak or sluggish ulcer.
3. The indolent ulcer.
4. The irritable ulcer.
5. The specific ulcer.
6. The varicose.

SIMPLE ULCER.

Characteristics.

Causes.

Class of persons usually affected.

Parts of the body attacked.

Prognosis.

Treatment.

WEAK ULCER.

Characteristics.

Causes.

Class of persons usually affected.

Parts of the body usually attacked.

Prognosis.

Treatment.

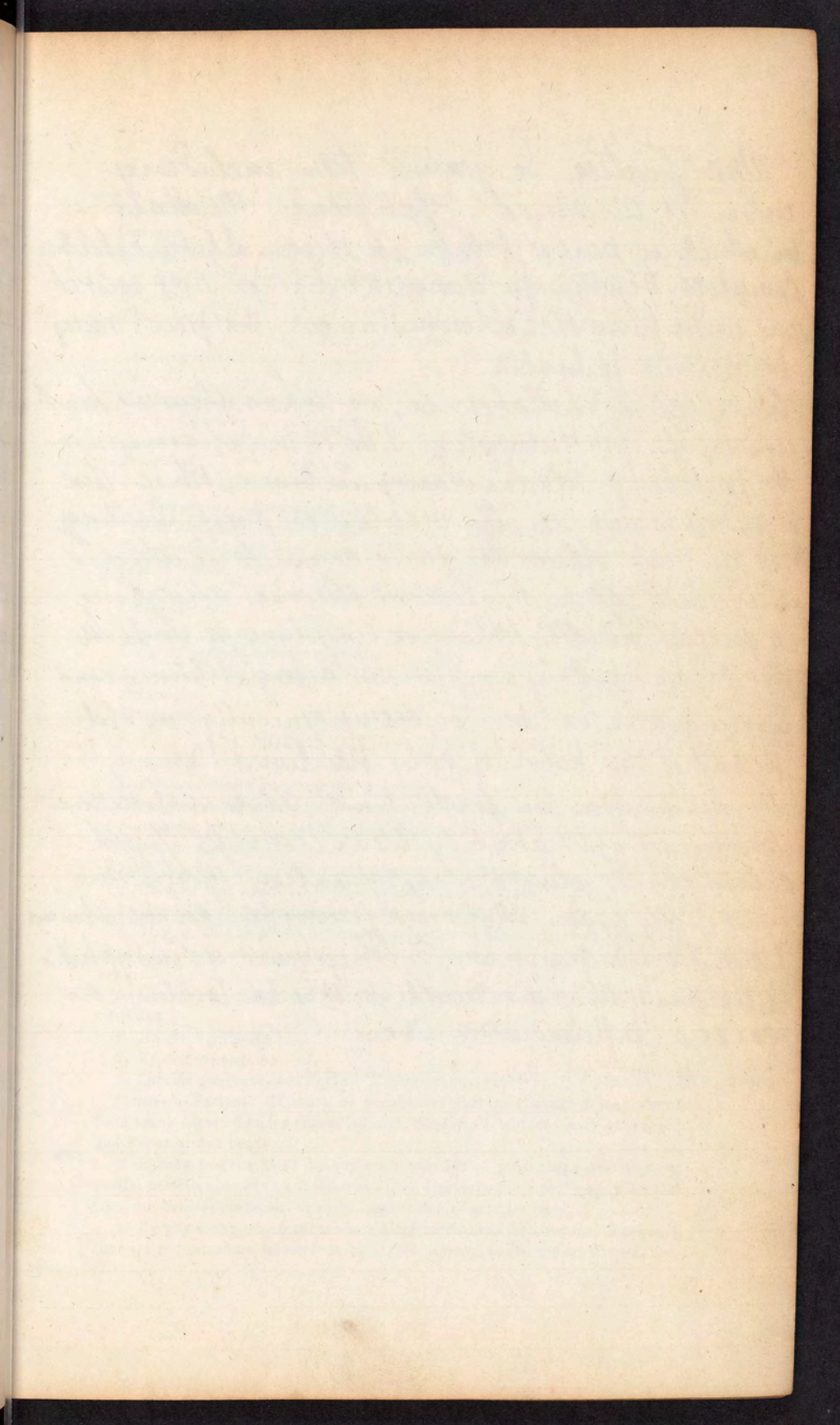
D. 1. Here we find the cicatrix to be more highly organized and to approach much more closely than it would otherwise the original tissue we should bear this in mind in wounds of force, often imitate a scar by use of collodion or piece of lint dipped in blood.

2. If allowed to heal by ordinary process there will be a lump. To avoid this Mr. Cartney introduced what he calls the modeling process, done by keeping part at certain temperature and moist and we have a deposit layer after layer until the part heals.

3. 1st indication of healing is shown by edges having on them a whitish deposit, but we have always a rough and prominent scar or cicatrix, 4. By Cause as from scald or burn owing to the condition of surrounding tissues being altered, and the contraction will in these cases be very great.

5. As in a mucous tissue we nearly always find the scar to be depressed not prominent, and angular tears not to be care in giving medicines to those who have suffered injuries of muscles membrane. Cicatrices are often so much contracted as to destroy entirely the use of part. Prognosis will depend on structure. On depth, here unfavorable as the tissues beneath are involved. Age of part. The older the more favorable. 3. Location 4. More extensive the more unfavorable the prognosis 5. its character. 6. Where it is very red and there much humor to be expected the more unfavorable

Certain and in each particular form of
the cicatrix for instance in linear cicat. as
in contraction of finger, cut it across between
places to straighten and keep it inside the
splint until 5 or 6 months have gone by, and
if prominent cut it off or out and bring
the sound parts together. 3. In cicat. with
extensive adhesions cut it out entirely and
cover the space with sound skin by
plastic operation - canstic - rule
shave off and heal in de
water - if can remove it entirely
and bring parts of sound
skin 3. If be dissect out
ind tissue cut out and draw
muscle which are contract
and substitute org skin



Mortification. a generic term including under it two stages - Gangrene the state in which a part is before in dis - Spheacellid Complete. Death sets in gangrene diff in most extent and under favorable circumstances the part may be restored to health.

Classification. 1. Stochastic, i.e. where the disease has and depends on inflammation. 2. Cold. No inflammation the part being cold and clammy. 3. Traumatic where there is perforation from the vessels of the part. Swelling & discoloration. 4. Where the blood seems to be absorbed. 5. Chronic - Chronic rheumatic disease attacking imperfect health, taking a long time for its full development. Only symptom is a long continued, and burning pain in big toe, occurs from all kinds of persons of bad habit of body, full liver & acidity, but usually after some constitutional disorder. Sometimes however brought about by local causes. 6. At certain periods almost every operation which is done apparently under the most favorable circumstances abundant in gangrene. 7. Phagedenic as in Syphilis. Causes - Neuralgia & neuralgia this is treating the case plan inflammation. Surgical operation collect this in removing cause.

INDOLENT ULCER.

*Characteristics.**Causes.**Class of persons usually affected.**Parts of the body usually attacked.**Prognosis.**Treatment.*

IRRITABLE ULCER.

*Characteristics.**Causes.**Class of persons usually affected.**Parts of the body usually attacked.**Prognosis.**Treatment.*

SPECIFIC ULCER.

Characteristics.—Depend on cause.*Causes.*—Cancer, scrofula, fungus, scorbutus, syphilis, &c.

The peculiarities of these ulcers will be pointed out under the heads of their respective causes.

VARICOSE ULCER.

*Characteristics.**Causes.**Class of persons usually affected.**Parts of the body usually attacked.**Prognosis.**Treatment.*

XI. MORTIFICATION, OR SPHACELUS.

*Definition.**Difference between gangrene and sphacelus.**Classification.*—Several terms are employed to designate the different groups of phenomena which characterize mortification under different circumstances.

We have, for instance—

1. Hot, acute, traumatic, or inflammatory mortification.
2. Cold, or that which takes place without previous inflammation.
3. Humid, or that accompanied by the effusion of fluids.
4. Dry, or that in which little or no secretion or effusion occurs. From the fact of its being chiefly confined to old persons it is often called "Gangrene Senilis."
5. Chronic, or that form described by Pott, as attacking chiefly the extremities.
6. Hospital gangrene.
7. Epidemic gangrene.
8. Specific gangrene—example. Malignant pustule.

Causes.—Various. It must be recollected that mortification may result from many causes besides inflammation. Nearly all of these may be ranged under four or five heads.

1. It may be occasioned by any cause capable of producing a cessation, or partial cessation, or even a feebleness of the circulation in a part—as inflammation, mechanical obstacles, debility, ossification of arteries, &c.

2. By any cause which occasions violent mechanical or chemical changes in the part, as contusions, lacerations, heat, cold, mineral acids, and caustic alkalies.

3. By any which, in consequence of their poisonous properties, will produce a deleterious influence upon the system at large, as the virus of rabid animals, and poisonous reptiles, and animal fluids the result of decomposition.

4. By any that will impair the powers of nutrition, or furnish bad chyle. High living, or bad food, certain articles of food, (as ergot,) bad air, bad lodging, and certain trades by obliging individuals to deny themselves proper food, air, and exercise, will all predispose to mortification, and may produce it without local injury.

5. By any that will cause intense passions or emotions of the mind. (See Langenbeck.)

Manner in which these various causes operate upon the parts attacked.—

Liability of tissues to mortification—some more liable than others.

Time required for the process of mortification to be completed.—Depends on circumstances.

1. It may take place very slowly.

2. It may occur very rapidly.

3. It may be instantaneous.

Symptoms.—1. Constitutional. 2. Local.

Process of sloughing.—When in consequence of our remedies or the vix medicatrix naturæ, the progress of mortification is checked, a *distinct boundary line* is formed between the *living* and the *dead* tissue, and nature proceeds to *amputate*, as it were, the portion which has lost its vitality, by a process termed "*sloughing*," and where the bones are concerned by "*exfoliation*," the chief agent in the accomplishment of which was called by Hunter "*disjunctive absorption*."

The different changes which take place in this process described.

The period at which it occurs after mortification is completed depends on circumstances. State what these are. Condition of parts after the separation of the slough, and their manner of healing.

Prognosis.—The effect produced upon the system by the occurrence of mortification depends on the part involved. If the organ destroyed is one of importance, or vital, the death of the animal is either instantaneous or speedy. If, on the other hand, the part affected is not essential to life, sloughing takes place and the individual recovers. Sometimes; however, this process is so tedious, and the parts destroyed so extensive, that death ensues in consequence of debility and hectic fever. It is also modified by the kind of mortification present.

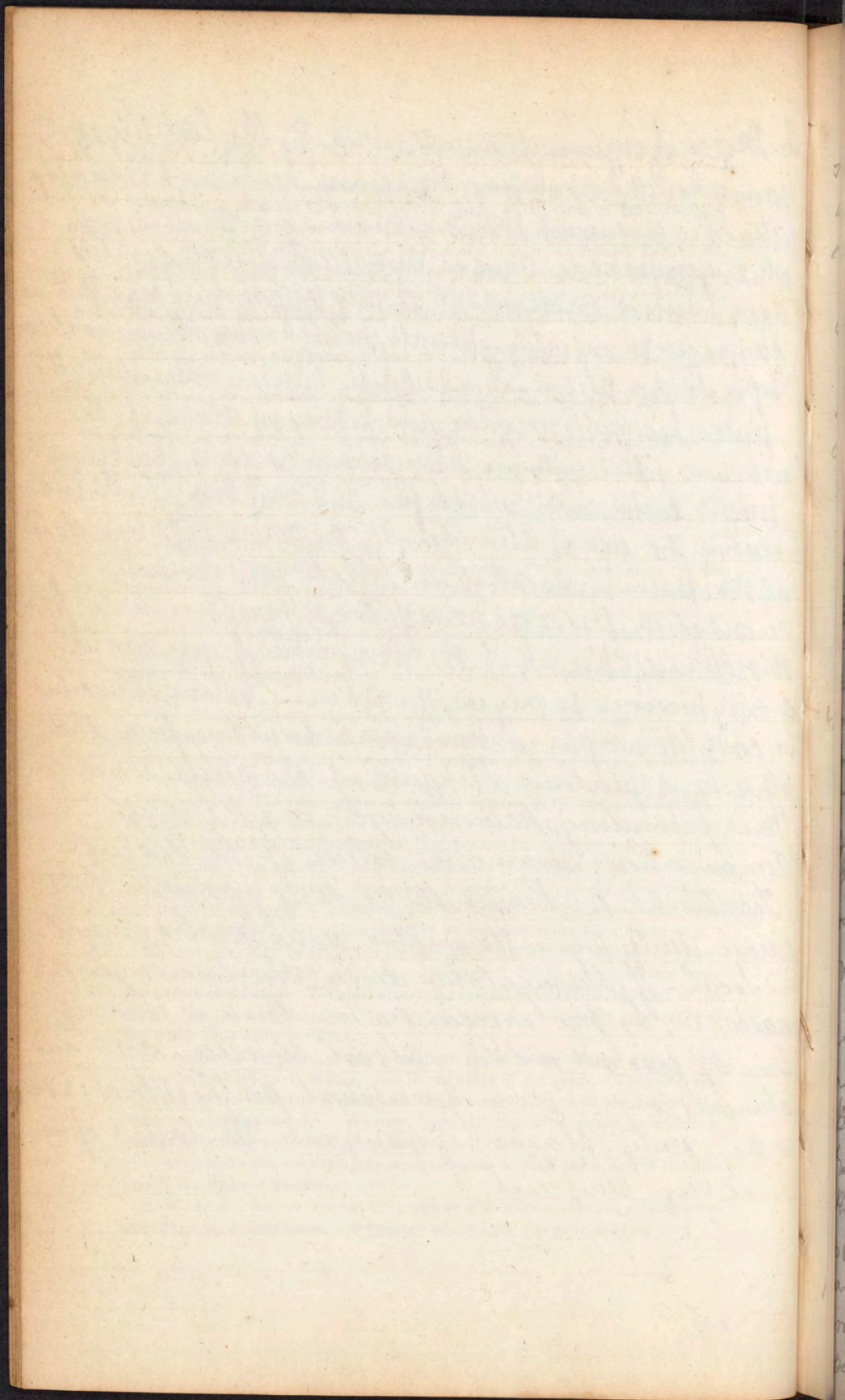
Diagnosis.—May be confounded with other discolorations of the skin. Positive signs of mortification must always be present before we pronounce upon the nature of the case. We must always be careful to ascertain the *depth* of the slough; for the skin alone may be affected, when there is every appearance of the whole limb being involved.

Treatment.—To prove of any advantage, so far as the affected part is concerned, our remedies must be applied in the stage of *gangrene*. They are also modified by the varieties of *gangrene*, the general condition of the patient, the character of the cause, &c. We may, however, lay down certain general indications to be observed in the management of all cases.

1. We must endeavour to apply such remedies as shall put a stop to the disease in the stage of *gangrene*.

2. We must endeavor to arrest the progress of *mortification* when once formed, and at the same time lessen the violence of the local and general symptoms.

A degree of organization with morbidly the lately spent
gangrene the exposure the higher being most generally
affected & gangrenated in a more extensive manner
white gangrenous caused by patient sleeping on his
arm - without mechanical support by fastening up & padding
finger prominently - usually shows even all a yellow
before completion - Sympt. Local - Inflammation of the
phases becomes irregular and jerking - as if the
arm was pained with an skin becomes cold and flabby
tongue coated with white fur and very tumid & inflamed
- leaving the case of inflammation to the thumb it found closed
in the palm black & cold black from stagnation of
circulation loss of adhesion of skin & period of inflammation
this change of color shows the destruction of gangrene
it may however be only in the skin - When sphacelus
is complete we find no hæmorrhage & discharging from the
effusion of plasma stopping up the vessels and
thus preventing hæmorrhage - a red line of blood
demarcating showing the extent of the disease
Treatment - Remove the cause if possible. If the
disease usually from inflammation antiphlogistics general
and local - If strangulation divide structure or give
relaxants, by free incisions where there is binding
down by fascia's or skin - Local remedies - cold and
astringents & hot & warm fomentations poultices, leeches &c
in the early stages of gangrene the latter often
prove very beneficial



Fast. Const - 1. where ans will not permit the wound to heal by moderate anion. see constitutional remedy with such but Iod Pot scrif. or cyp

2. 3. Sympathetic fever setting in & changing the character of wound causing edges - red - combat by moist active com-
4. 5. Second - 1. with stimulate. have a scab formed the plasma being dried up by air - acting as a kind of coagulation

2nd Keep up coagulation and slough - if heal over forcing body have ^{two or three} if can't get out all the foreign body slough. 3 - Listen advice in all antiseptic wound don't close the wound till the wound shrives - 4 may unite by modelling process usually by granulation

5 - nothing worse - better to trust to nature sponge carefully foreign body bring edges together - and put on adhesive strips. Modify the dressing to part - more simple better if in wounds of trunk

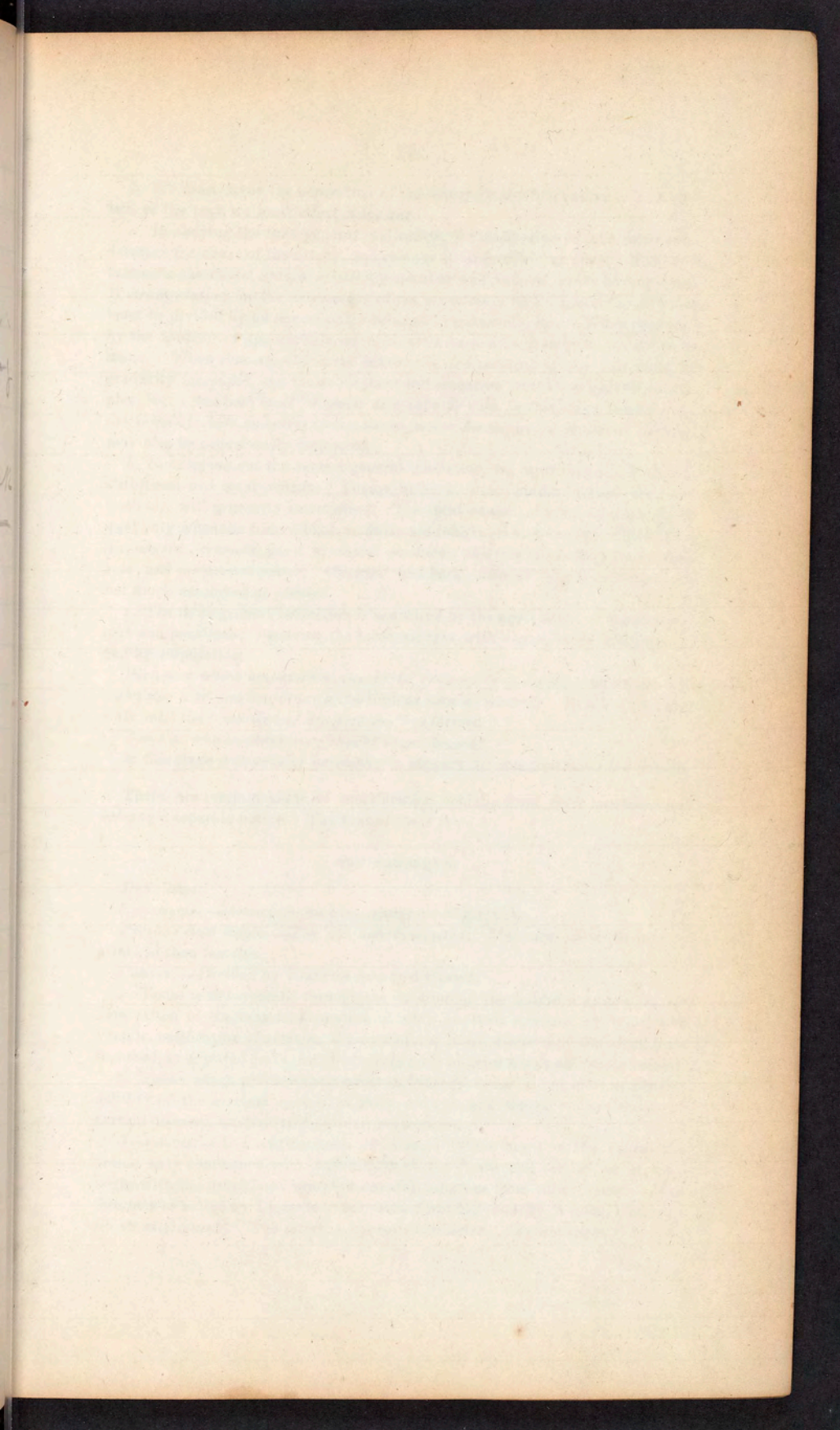
Injured Wounds -

where tissue divided with clean cut hemorrhage separation lips and pain Bleeding tell by manner of blood flowing out and by color - out of him or Round wound puncture quite bleed most pain - depend on lesion nerve amt of pain good indication of extent lesion wounded nerve gives more ~~embarrassed~~ pain than when sound. gaping &

Contract of organic contractility and
muscular contr force favor -

Heat - Local flexion

Ligation - action on artery differs
from vein - only punctures the vein
and the Phlebectis - scarcely any
effusion of plasma - nerve pass
When the artery the cellular tissue
yields and internal and middle coat break
When diseased vessel it will break



3. We must favor the separation of the slough, and when nature is incompetent to the task we must effect it for her.

a. In obeying the first general indication, we must always take into consideration the *cause* of the attack, and remove it, if possible, at once. If *inflammation* is the cause, *antiphlogistics*, general as well as local, are to be employed. If *strangulation*, or the *arrestation* of the *circulation* be the cause, the stricture must be divided by an operation, or relaxed by nauseants, &c. When produced by the *binding of aponeurosis*, or *skin*, as in *carbuncle*, free incisions are to be made. When *intense cold* is the cause, the temperature of the part must be gradually increased, and the subsequent inflammation treated on general principles, &c. The best *local remedies* as a general rule, in this stage, are *cold and astringent lotions*, or *warm fomentations, water dressings, or poultices*. *Leeches* may also be occasionally employed.

b. In carrying out the second general indication, we must resort to both constitutional and local means. Tonics, as bark, wine, opium, a good diet, and fresh air, will generally be required. The local remedies are *incisions*, (to be used only when the tissues bind, or fluids are infiltrated to some extent,) *blisters, nit. argent., creosote, yeast or carrot poultices, chloride of soda, pyroligneous acid*, and *carbonated water*. Charcoal and bark, once so highly esteemed, are not much employed at present.

c. The third general indication is answered by the application of warm dressings and poultices; removing the loose sloughs with the scissors and forceps; and by amputation.

Period at which amputation should be resorted to—Depend on cause. In traumatic mortification remove the limb as soon as possible. In all other cases wait until the "*red line of demarcation*" is formed.

Point at which amputation should be performed.

In this stage it is usually necessary to support the constitution of the patient.

There are certain kinds of mortification which, from their peculiarities, deserve a separate notice. The first of these is

DRY GANGRENE.

Definition.

Synonyms.—Gangrene senilis—gangrene of the rich.

Persons most liable.—The old and dissipated. Men are more frequently attacked than females.

Causes.—Divided by Francois into two classes.

1. Those which operate through the medium of the *vascular system*, as inflammation of the vessels, formation of clots in their cavities, obliteration of vessels, ossification of arteries, diseases of the heart, diseases of the blood from bad food, as ergotted grain, &c., and mechanical injuries which obliterate vessels.

2. Those which produce their effect in consequence of either local or general debility of the *nervous system*, as palsy, old age, and the excessive debility of certain diseases, particularly phthisis pulmonalis.

Symptoms.—1. Constitutional. 2. Local. When ergot is the cause, the attack may commence with convulsions of the limbs and vertigo, or it may begin with the usual local symptoms of dry gangrene from other causes. The former was called by Linnaeus "*convulsio cerealis*," and by Wepfer, "*convulsio ab ustaligine*." The latter, "*necrosis ustilaginea*," by Sauvages.

Prognosis.—Usually unfavourable.

Diagnosis.—May be imitated by malingers.

Pathology.—Still a matter of dispute. Cite the different views of Delpech, Cruveilhier, Dupuytren, Thuillier, Tessier, &c.

Treatment.—1. Constitutional. 2. Local.

INFANTILE GANGRENE.

Definition.

Persons liable.

Parts usually attacked.

Causes.—Question of its contagiousness.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

CHRONIC MORTIFICATION.

Definition.

Persons most liable.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

HOSPITAL GANGRENE.

Definition.

Synonymes.—Phagedena gangrenæ; putrid or malignant ulcer; hospital sore; gangrena contagiosa.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Pathology.

Treatment.

MALIGNANT PUSTULE OR CHARBON.

Definition.

Causes.

Symptoms.

Prognosis.

Diagnosis.

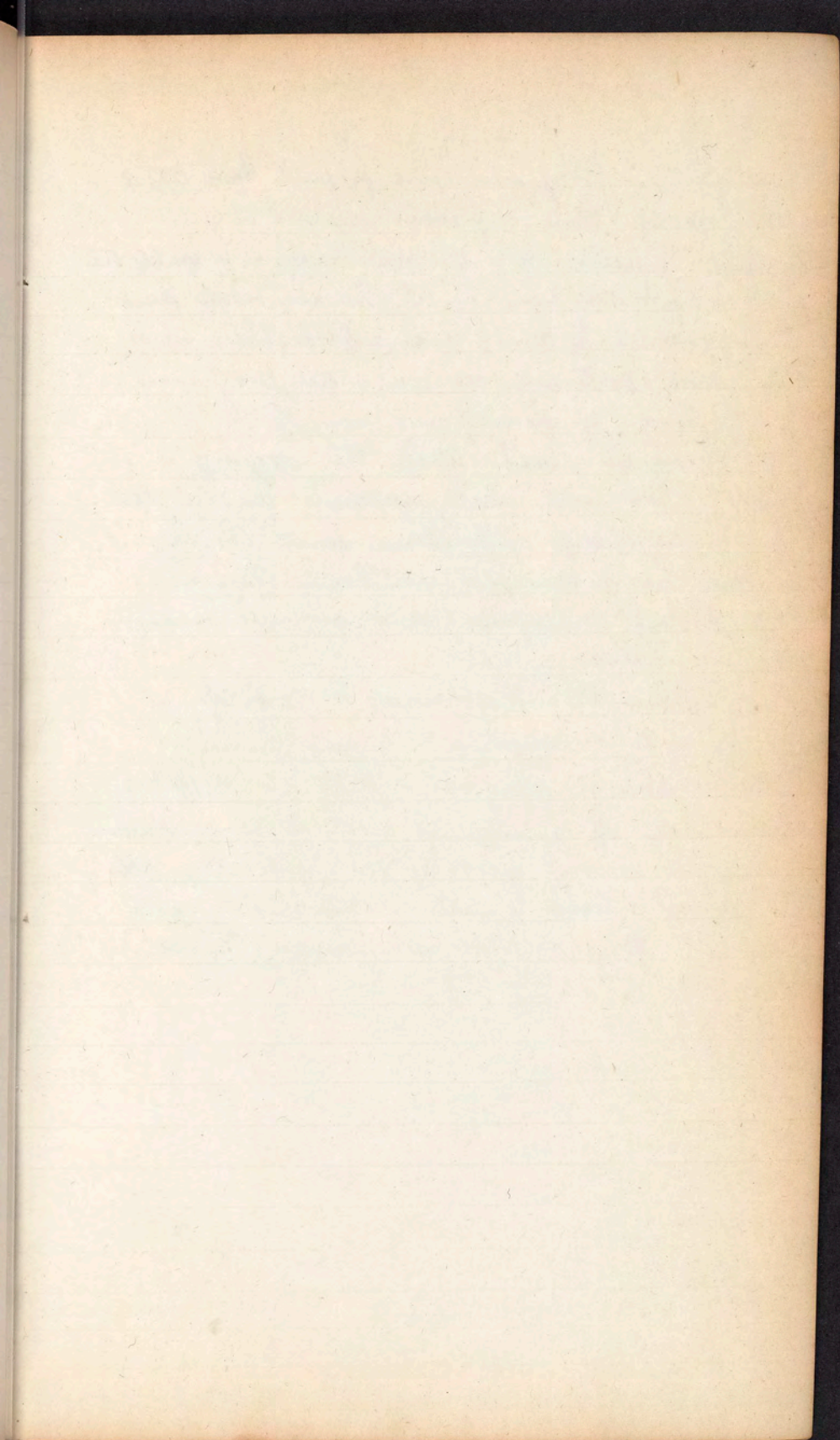
Treatment.

VARIETIES OF INFLAMMATION.

ERYSIPELAS.

Definition.—A peculiar form of inflammation attacking the skin and mucous membranes, taking its name from two Greek words which signify *red* and *skin*. It is also called St. Anthony's fire.

Ensayos



- cicatrization Prog - 1 - more profound those tissue
and if bound down to prevent motion
- 2 Age - If recent 6-12 months don't touch - because the
cicatrizing is not done healing - 3 In non vital part
not hazardous - In throat most unfavorable -
- 4 - More extensive the worse the prognosis -
- 5 - If linear or growing and more fair -
- 6 - If very old don't touch the cicatrizing is so
great, put under treat astringent washed ve
- 7 - If from change of position of parts Ankylosis
of bones has taken place don't operate.
- 8 - Syphilis or Scrophulous and general health
bad don't operate

Treat - 1st Machinery to modify -
when in spite of everything it don't succeed -
Tissue involved in linear - kept on stretched
3 form - cut off superabundant granulations and water
dressing - prepared to take cut by cicatrizing process
In extensive adhesion - must substitute healthy skin
for morbid tissue - where some organ has its
natural

16

Excystation - Method 1 - It keeps away from
 atmosphere - by painting with Collodion or some
 occluding surface. 2 - mean the accomplishment
 of healing by successive layers of plasma - irregularity
 of cicatrix owing to contraction of muscular cylinder of
 Honte - in Burns the contract of cellular tissue
 elevates cicatrix in wounds of skin never in Mucous
 Membrane - Fig - 1. Proliferation of cuticle 2
 Indurated tissue of lamellae no hair bulb no
 oil globule follicle no rete mucosum few vessels
 and few bloodvessel - 3. proper subcutaneous
 tissue if extends into muscle or presents Muscles
 fibres hardened by effusion of plasma - may
 produce luxation in consequence of contraction -
 destruction - resist in treatment - Motion prevents
 healing or healing smoothly - atmosphere modifies the
 cicatrix great poison to ulcerated surface -
 Too low temperature will stop healing - the irrigation then
 should be changed - warm dressing same way - make
 time of healing point - and prevent too much or too
 little that has not same power to resist bad atmosphere &
 depression caused - in consequence of deficient organization -
 Cancer - will always return if elevate limb -
 put him on Donnavan Solution and cut it
 off as often as it occurs - Dupuytren - 5 Kinds
 1. Linear - 2. prominent excessive plasma 3 -
 Extensive Adhesion - more dangerous here - 4
 Scarred obliterating cavity - Abscess 5 -
 Where organ involved is made to disappear -

Division.—Almost every writer has given his own classification. I adopt that of Mr. Lawrence. He makes four varieties:—1. Erythema. 2. Simple Erysipelas. 3. Œdematous Erysipelas. 4. Phlegmonous Erysipelas.

The “erysipelas ambulans vel erraticum” of La Motte, and the “universal erysipelas” of Hoffman and others, being mere modifications of one form or the other of the varieties made by Lawrence, should not be considered as *peculiar* forms of the complaint. The division into *idiopathic* and *symptomatic* may be retained.

Symptoms.—Vary in the different forms.

Seat of the disease.—Commencing on the surface of the skin, it gradually becomes more profound until it involves in some cases the subjacent cellular and other tissues.

Question of its contagiousness.—Still a disputed point. For my own part I believe that it is not. It may be epidemic.

Causes.—Predisposing—constitutional and local.

Prognosis.—Depends on location and extent—the health and condition of the patient.

Diagnosis.—May be confounded with common phlegmon.

Treatment.—Varies somewhat with the kind of erysipelas. May be divided into—1. Constitutional. 2. Local.

Being essentially inflammatory, *antiphlogistic* remedies are required in the first stage. Emetics are often useful. In phlegmonous and Œdematous erysipelas, when sloughing occurs, it often becomes necessary to support the constitution.

The *local* remedies are very numerous. 1st, cold; 2d, leeching; 3d, scarifications; 4th, incisions; 5th, blisters; 6th, argent. nit. as applied by Davidson, or after the method of Higginbottom; 7th, tinct. of iodine; 8th, British oil; 9th, ungt. hyd. mit.; 10th, dry powders; 11th, compression, as recommended by Velpeau and Bretonneau. Examination of the value of these different agents.

ANTHRAX, OR CARBUNCLE.

Definition.—A deep-seated, circumscribed inflammation of the skin and cellular tissue, characterized by its hardness, peculiar burning pain, and termination in gangrene.

Varieties.—Benign and malignant.

Causes.—Constitutional and local.

Symptoms.—Vary with stage.

Diagnosis.—Pustule maligne may be mistaken for it; also, common furuncle, and erysipelas.

Prognosis.—Depends on location and general health of patient.

Termination.

Treatment.—Varies with stage.

FURUNCULUS OR BOIL.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Termination.

Treatment.

PERNIO, OR CHILBLAIN.

Definition.—Specific inflammation. The result of cold.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Divided into that proper in the early stages, and that required after vesication and ulceration have taken place.

FROST-BITE.

Definition —A form of inflammation the result of the application of intense cold to any part of the body.

Symptoms.—Constitutional and local.

Diagnosis.

Prognosis.

Treatment.—Varies with degree, location and stage.

BURNS.

Definition.

Causes.

Classification.—Hildanus, Boyer, Thompson, and others, make *three* kinds :

1. *Superficial*, involving merely the outer surface of the skin, and terminating always in resolution.

2. *Vesicular*, or *ulcerated*, in which the cuticle is raised into blisters.

3. *Sloughing*, in which the cutis is destroyed either immediately or subsequently, and forms either a "soft slough or hard eschar."

This classification being simple is the one most generally adopted, but that of Dupuytren is much more scientific; being based as it is upon the nature of the textures and organs involved. In this, *six* varieties or degrees are made.

1. Erythema, or superficial phlogosis of the skin without vesicles.

2. Inflammation of the skin, with detachment of the cuticle and formation of vesicles.

3. Destruction of the corpus papillare, and rete mucosum.

4. Complete disorganization of the cutis down to the cellular tissue.

5. Conversion of all the superficial textures and muscles into eschars.

6. Carbonization of the whole thickness of the burnt part.

Symptoms.—Vary with the degree of violence with which the causes producing them have operated. Divided into—1. Constitutional. 2. Local.

Diagnosis.—May be confounded with erysipelas.

Prognosis.—Deduced from extent, depth, and situation; age and constitution of the patient; and the character of the cause.

Periods of Danger.—According to Dupuytren there are four :

1. The stage of irritation, or the period of the first shock on the system.

2. The stage of inflammation.

3. The stage of suppuration.

4. The stage of exhaustion or hectic.

Post mortem.

Treatment.—Varies with the degree, &c.

In the *first* and *second* degree, we must endeavor, by both constitutional and local measures, to prevent inflammation or limit its extension, and relieve pain.

1. The first part of the paper is devoted to a general
description of the country and its resources.
The second part is devoted to a description of the
climate and the soil.

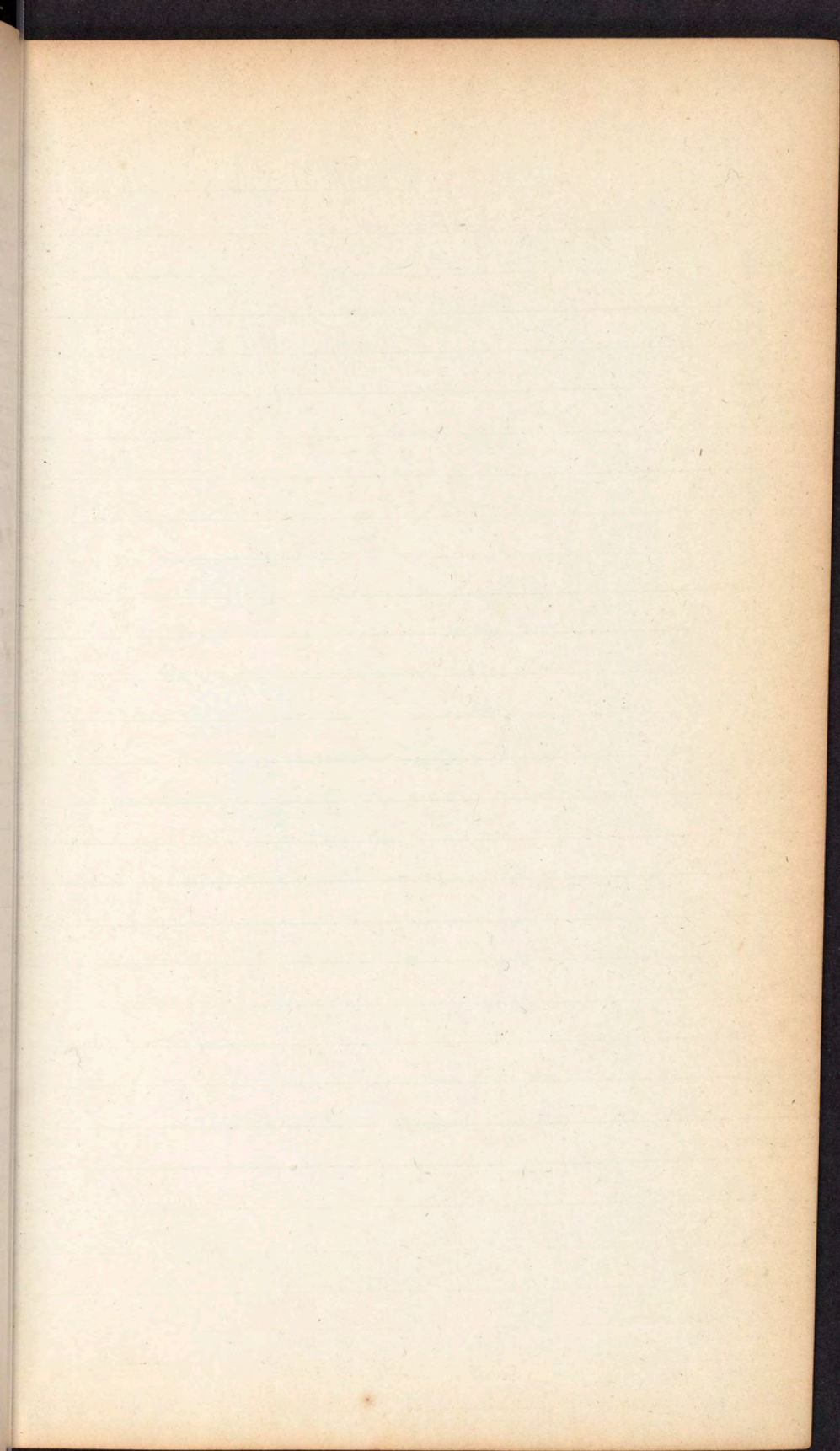
3. The third part of the paper is devoted to a description
of the population and the government.
The fourth part is devoted to a description of the
commerce and the industry.

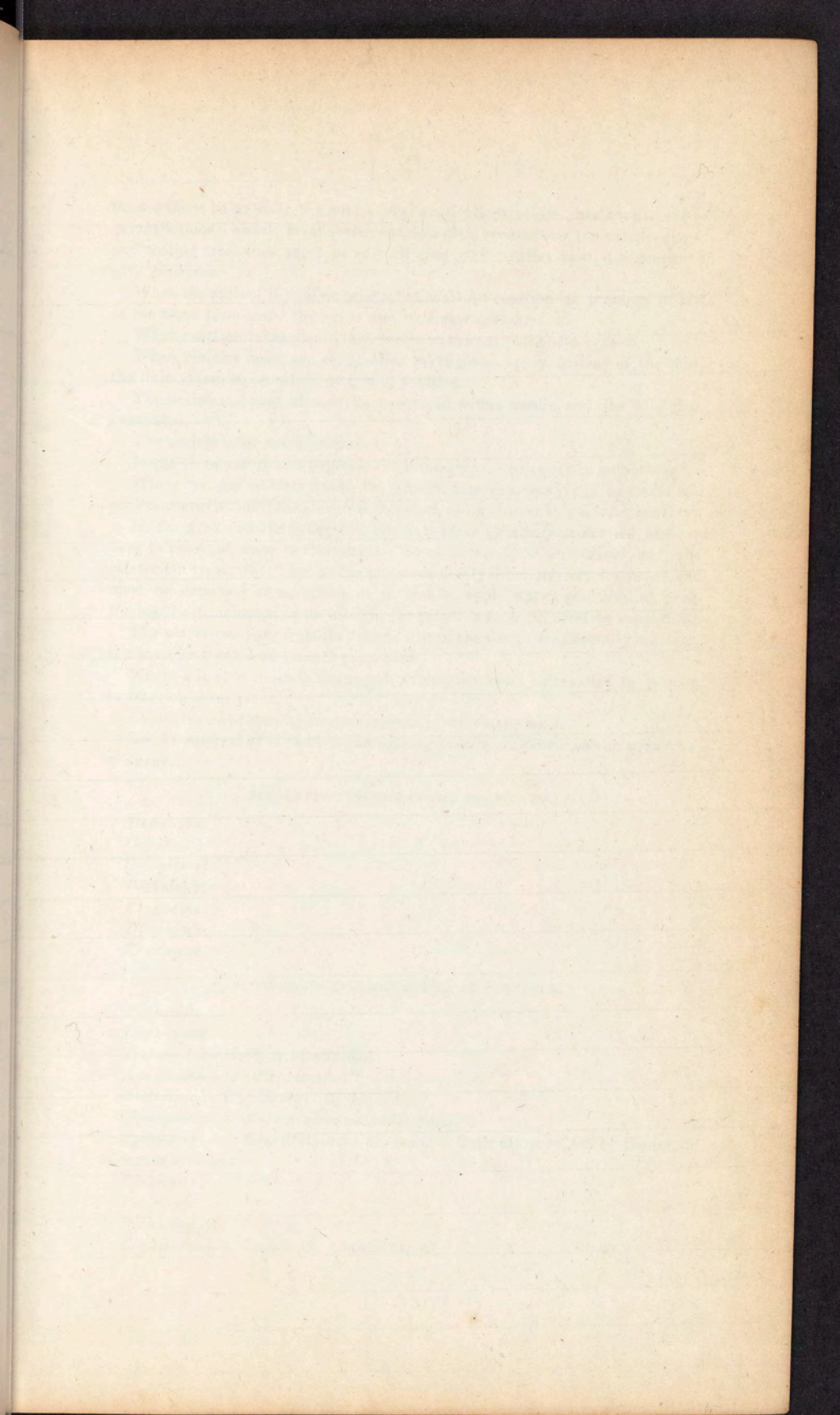
5. The fifth part of the paper is devoted to a description
of the education and the religion.
The sixth part is devoted to a description of the
military and the naval forces.

7. The seventh part of the paper is devoted to a description
of the public works and the public buildings.
The eighth part is devoted to a description of the
public health and the public safety.

9. The ninth part of the paper is devoted to a description
of the public finance and the public debt.
The tenth part is devoted to a description of the
public law and the public order.

11. The eleventh part of the paper is devoted to a description
of the public opinion and the public sentiment.
The twelfth part is devoted to a description of the
public spirit and the public virtue.





Should there be no *chill*, the best topical applications, at first, are cooling refrigerant lotions; should fever supervene, low diet, venesection, topical bleedings, and cooling medicines, must be administered; and to allay pain, it is proper to give anodynes.

When the patient is cool or prostrated, wait for reaction or promote it, and in the mean time cover the burnt part with raw cotton.

When reaction takes place, then resort to the antiphlogistic system.

When vesicles form, and suppuration takes place, apply, instead of the cold, the linimentum aquæ calcis, or a mild poultice.

The vesicles should always be punctured with a needle, and the fluid thus evacuated.

The cuticle must not be removed.

In the *third* and *fourth* degrees, the same general rules are to be observed.

Where the pus collects under the slough, free incisions are to be made, and poultices applied until the slough is detached, or until healthy granulations form.

In the *fifth* and *sixth* degrees, the patient is generally prostrated, and we have to resort at once to stimulants. Some advise *local stimulants*, or “the calefacient treatment;” but as the parts are nearly if not entirely destroyed, and must be detached by sloughing, it is best to apply warm poultices at once. During the detachment of the slough, the patient’s strength must be supported.

The ulcers resulting from the detachment of the slough are generally indolent, and must be treated on general principles.

Where a limb is entirely destroyed, amputation must be resorted to as soon as reaction takes place.

Local treatment during cicatrization to prevent deformity.

Local treatment of the deformities arising from the unfavourable cicatrization of burns.

SCORBUTIC INFLAMMATION, OR SCURVY.

Definition.

Causes.

Symptoms.

Pathology.

Prognosis.

Diagnosis.

Treatment.

SCROFULOUS INFLAMMATION, OR SCROFULA.

Definition.

Synonyms.

Tissues most liable to be attacked.

Age at which the disease usually manifests itself.

Causes.—1. Hereditary. 2. Accidental.

Characteristics of the “scrofulous diathesis.”

Symptoms—1. Constitutional. 2. Local. Both are modified by the organ or organs attacked.

Diagnosis.

Prognosis.

Pathology.

Treatment.—1. Local. 2. Constitutional.

WOUNDS. *page 36*

a DEFINITION.—A recent solution of continuity in the soft parts suddenly occasioned by external causes, and attended at first by more or less hemorrhage. —(Cooper.)

b OBJECTIONS TO THIS USUALLY ACCEPTED DEFINITION.—A wound may be produced by violent action of the muscles alone; and by the protrusion of a fragment of bone. We may also have a wound occurring in bone.

c CLASSIFICATION OF WOUNDS.

First division—Is based upon the nature of the instrument inflicting the wound. Thus we have *incised, punctured, lacerated, contused* and *gun-shot* wounds.

Second division—Is based upon the introduction of some venomous, morbid, or putrid matter, into the wounded part. Hence we have *poisoned, specific, and dissecting* wounds.

Third division—Is based on the regions or parts involved. Thus we have wounds of the *head, face, chest, abdomen, &c.*

Fourth division.—Wounds are also divided into the *simple* and *complicated*.

d DANGERS OF WOUNDS.—These depend on—1st, the size, or the extent of injury; 2d, the weakness or strength of the parts involved; 3d, the importance of the organ; 4th, the size of the bloodvessels involved; 5th, the kind of vessel (artery or vein); 6th, the diathesis of patient; 7th, the age of patient.

e CAUSES OF DEATH.—1st, hemorrhage; 2d, tetanus; 3d, traumatic fever; 4th, erysipelas; 5th, hectic fever; 6th, gangrene; 7th, metastatic abscess.

f PROCESS OF HEALING.—Until recently, only *two methods* described: union by the *first intention*, and union by *granulation*, or the *second intention*. Professor McCartney has established the existence of two others, and we may, therefore, make four different processes of union, viz.:

1. Immediate union. *without the influence of lymph*
2. Mediate union by lymph or blood, or union by the first intention. *with*
3. Union by the modelling process.
4. Mediate by granulation, or by the second intention of Hunter.

g OBJECTIONS TO MCCARTNEY'S VIEWS.

MODE OF ORGANIZATION OF THE LYMPH AND BLOOD.

DIFFERENCE BETWEEN HUNTER AND MCCARTNEY RELATIVE TO THE NECESSARY PRESENCE OF INFLAMMATION IN THE HEALING OF ALL WOUNDS.

COMPARATIVE ADVANTAGES OF THE DIFFERENT MODES OF UNION.

First and *second* should generally be attempted; because when either takes place, we save *time* and *pain*, and obtain a *strong* and generally but *slightly deformed* cicatrix.

State the objections urged by many of the French authors and others against these two modes of union in large wounds.

a - certain exceptions & may have a wound
by action of internal causes. as by violent
action of muscles alone, or protrusion of part
bone

Definition - Simple wound is one made with
sharp cutting instrument involving no important
organ. Comp - reverse

d. size. the larger the more unfavor prog
4 up - small wound in hand - the general rule

2. Every organ when of low form of articular
surface not being able to resist inflame
and die - 3. the larger the greater the
danger - 4. exposure if wound of 5. Inj from air

into vein - may die from this cause -

6. Some slightest scratch may sometimes
give rise to greatest hemorrhage - bad habit
where wounds heal by suppuration and

not by first intention - 7. The young the better
the chance - except two young

Co 1-2. may come on several times
or days - may come on ev 8 or 10 day -

12 hrs gets over danger of that - but
when fever comes on or subs. 3. The fever may

complication by the sympathy it creates
in very many organs - 4. always watch in
head - don't neglect - 5. never an early Comp

always present when suppuration has
occurred - have rigor and slight reaction

pass off by perspiration may kill patient
always look out - and give stimulant

and tonics or remove cause - 6. famil
7. always occurs after suppuration fully estab

if patient is comatose vomiting wound dry
it secretion then in character. results from

which best in wound for you, very
to kind - cleanse wound and endeavor
to make heal by 1st in of Hunter
or by immediate French / condemn
that they can time that this is best
for recovery of patient, certain wound
forced and closed by 1st intention as
when there are foreign bodies in
lacerated wounds - not by 1st and
Inclosed

Subacute inflam - arising in consequence
of irritation and predisposing sympathy, the
irritation of wound - becomes greater in brain
the irritation is transferred and positive
inflammation - If patient has it some
stump - blister - also head - great benefit
from tinct of Aconite - Coma - and Stunt
dry -

f - Hunter's theory - may unite in other
ways - by Immediate Union - and Mediate
1st Med Union cut finger squeeze out
blood draw together and muscle unites nerve
in short comes to unite by the interposi-
-tion some deny and say must always
have union. This is ^{immediate} Mediate union of
macartney - opposite theory like Veneer -
Union 1st not Mediate union by lymph
where lips of wound are held together by lymph
~~interposed~~ by blood is not proper in body - except
in large coagula -

may be organized better infected but must
be small - 4. Mod process - form from
that plasma - goes on to organization
without granulation - forming only
the indurated must have wet moist
layer upon layer - restoring clefts or
loss which plasma runs granules
2 int of hunter - or granulation -
4 nodes -

Inc. Carb diff from hunt - one say
must have inf - other say if have
it should unite - 1st Int out
inflamm - only irritation if goes on to a
higher grade have inflamm - and
suppuration - hunters of idea or rumors
cannot have Adhesive Inflamm -
Surgeon must select kind of wound
attempt in not lacerated / always
have Union tied or imoned - because
sical - stronger and forms than 2
inter - to save time - to save scar
linear small and pliable -

Incised Wounds. a. One made with Sharp instruments, will bleed most since the vessels are cleanly divided, hence the chief danger is the hemorrhage. b. The direction is important, as by this knowledge we know something of the parts exposed gaping produced by muscular contraction we pay attention to this since we cannot heal the wound placing limb in such a position as to relax the fibres, a rule then to look to position. 2 The bleeding depending on size of vessel and on the vessel itself, difficult sometimes to distinguish whether arterial or venous, if it is purely arterial we will have blood spurting out if from vein, we will have a purplish blood if arteries are ^{smaller}, compress main art. of limb between wound and heart, and all the will cease but slight oozing. The loss of blood depends on kind of wound, whether oblique transverse or perpendicular, in transverse much less danger, owing to contraction of vessel and making it smaller. 3 Pain we must regard this, since the pain will excite this fever and inflammation give anodyne thus to quiet it. The Treatment. 1st Arrest the not wait for not by interfere actively, when we can reach the bleeding vessel then we aid nature. If the artery is merely punctured it will bleed more than if was cut across, as the organic contraction and retraction reducing the size of caliber and also the length

CIRCUMSTANCES PREVENTING UNION BY THE IMMEDIATE OR MEDIATE PROCESSES.
—Divided into—1, constitutional; 2, local.

First, or constitutional.

1. Bad habit of body.
2. Diseases of various kinds.
3. Simple fever.
4. Vitiating atmosphere in hospitals, &c.
5. Epidemic influences.

Second or local.

1. Atmospheric air.
2. Foreign bodies lodged in the wound.
3. Large coagula of blood.
4. Laceration or severe contusion of the parts.
5. Faulty dressings.

CHARACTER OF THE TISSUE BY WHICH WOUNDS ARE UNITED.—Already alluded to. It is a singular fact, that with the exception of bone, all tissues unite by a substance different from themselves.

The different classes of wounds may be next considered; and first of

INCISED WOUNDS.

Definition.

Extent and direction.—Always to be regarded.

Characteristics.—Pain, gaping, hemorrhage.

The pain is owing to lesion of the nerves; the gaping to the ordinary elasticity and contractility of the parts, and also to the situation of the wound. The hemorrhage proceeds from a wound of an artery, or vein, or both, and its character is modified accordingly. State these modifications. Its activity is dependent upon the character of the wound, and the size of the vessel.

Prognosis.

Treatment.—General indications.

1. Arrest the hemorrhage.
2. Remove foreign bodies.
3. Approximate and retain the sides of the wound in contact.
4. Prevent or subdue inflammation.
5. Protect the wound from injury by appropriate dressings.

First indication.—Hemorrhage may be arrested either by an effort of nature, or by the assistance of the surgeon. Explain the process by which the bleeding is spontaneously arrested. We are not to wait for this, however, but must resort to the various agents afforded by our science. These are numerous, and are to be modified or varied according to circumstances.

1. When the vessel is deep and beyond our reach,—as in wounds of chest, abdomen, &c.—our best remedies are bleeding, digitalis, cold, rest, low diet, and positive quietude of mind.

2 When the vessel is accessible, we may resort to

- a. The Ligature.
- b. Torsion. *very useful in wounds of small arteries*
- c. Machure.
- d. Refoulement, or reduplication.
- e. Compression.
- f. Refrigerants.
- g. Styptics.
- h. Suture.
- i. Plugging.
- j. Seton.
- k. Acupuncture.
- l. Electro-puncture.

The most important of these agents is the

LIGATURE.

History.—Mentioned by Celsus; but not generally employed until the time of Paré.

Effect on an artery.

Effect on a vein.

Changes which take place in the blood contained in the vessel.

Changes which take place in the vessel itself.

Manner in which the ligature is discharged.

Cause of danger when the ligature comes away.

Time required for the obliteration of the vessel.

Materials of which ligatures are usually made.

Shape and size of ligature.

Mode of tying the ligature.

Method of applying a ligature.—Depends on the location of the vessel.

1. When the vessel opens on a surface, as in the wounds of amputation, &c., we require a *tenaculum*, or *artery forceps*.

2. When the vessel is deep-seated, or when we wish to cast a ligature in the course of a vessel, as in aneurism, we may use the various *aneurismal needles*, or a *bent probe*. Objections to the needles. In all large wounds it is well to apply a ligature to both ends of the vessel. Why?

Subcutaneous ligature.

Ligature d'attente, or ligature of reserve.

Scarpa's ligature,

Ligature and section of the vessel.

Temporary ligatures.

TORSION.

Definition.

History.

Arteries to which it is considered applicable.

Mode of performance.

Objections to its employment.

circulation stagnates, and coagula are formed
there are two the external and the internal
As these stop the bleeding inflammation
sets up, plasma is effused and vessel is converted
into a fibrous cord as far up as the first
anastomotic branch, if the vessel is large
will remain as a cord for long, if small will
be absorbed, hence tie on artery then near a
branch as danger of 2nd Hemorrhage
is imminent, In lacerated wounds clot is circular
filling the vessel entirely in incised pyramidal
twisted and reaches first branch. But wait for
nature unless a vessel is cut entirely across,
with nearly blood But if superficial cut is
entirely across - or temp artery. Same times
have no external tumor & have blood flowing in
to a cavity. Change the position of patient to
make him faint, or if strong open both veins
on arm. If don't come to in 4 to 5 min - throw water
if hemorrhage ceases give him Digitalis, keep
in a cold room, and at slightest approach
of fever bleed, or use Hemostatic instrument
Ligatures Also Employ E.S. Ligature for small
&c. Not Employed until time But Pass. b.
But has 3 coats, in tying ligature dividetur
of these, the internal and middle, but in
some cases, keep only to compress the coats.
As a general rule - In large til till feel the coats
yield, from this wound in coats have an effusion
of coagulable lymph, If the internal is not
divided lymph not being thrown out, much
danger of secondary hemorrhage after lig, comes
away, the middle in vein is not resistant
enough to cut and we have but a puncture
ing of coats, and so much more danger

Suppose have have Secondary hemorrhage arising
always to to Cause Effects or to time of retention of
ligature, in large vessels about two weeks, in
small ten days, always comes away as a loop
by progressive or ulcerative absorption allowing it
to cut its way through, Many kinds of ligatures
but are made of Saddles silk use but one color
white as die not the silk. Way turn to prevent
slipping. Ligatures applied in two ways 1st
to a free surface and to an artery in its
continuity. In order to apply ligature must use
some artery forceps to draw it. Listons Ball
dog are the best pinch instrument good for
nothing. Cardinal rule in tying is to draw
out the artery, Apt here if not

hemorrhage in small art. but in large artery
the artery being very liable to draw off before
the clot is sufficiently firm.

Machure - When the vessel is torn
and retracted in consequence of the
shock and mechanical action of the
ligature, the sharp forceps - small
instrument used.

Reflexion - Insure any redoubt
of the pressure. Most valuable temporary
expedient - in cases of hemorrhage, or
abscesses in organs in general
of cavities. Compress - Ringer's Compress
very objectionable - poor as a compress
in compress - but it is a related with

Compress of Dupuytren.

Irregular Callus usually result
 of Mal practice - or want of
 power of Nature - I. I. want
 to find if soft to yield or
 in section more recent. More
 for prognosis - 2. If limb is not
 much injured or not so can remove
 don't operate but if destroy fine
 then endeavor to remove -

3. In section all ways make
 compound fracture - And hence the
 extreme danger - And must
 tell patient may lose or limb
 4-5-6-7 etc Case inst. - part
 of cadaverous Callus - has
 existed 40 or 60 days - can
 sometimes break up after two
 months - can't do it - generally
 can gutter or down gradually
 approximating sides - when
 any deferment - Dr. Mould
 has been att. to break down
 callus & pull bastion off
 aprior if re fracture then
 all fails

Canterbury - generally employ actual
canterbury because seals up vessel
without causing slough -

If hemorrhage coming from a
deep wound best to use white red
where you wish to ~~see~~ to stop
ozing red heat Roan very good
in cases of oozing in consequence
of sloughing

Suture - In cases of longitud
wound to preserve the ~~patulous~~ ~~strips~~
the continuity of tube - might be
of use in some cases - and by
compression slightly diminishing the
amount of blood going through it

Plugging - good in some cases
where impossible to apply any
other remedy - advised to tie a piece
of string - take a larger plug and
close wound around it -

Liton where there is an ulcerated
an aneurismal trunk - where art with
not bear ligature use suture

Electro Puncture - By passing
an aneurismal needle and connect
with pole of galvanic battery.

Allasps tie up both ends of artery
to stop regurgitating current

2nd Indication to get away foreign body
always do this by prying water over the part
3rd position

application of Compression wound in
arteria - look for vessel - Ring artery in
and finger slip small pieces of lint
or sponge and fill up wound - The
flow of blood will stop - reapply where the
blood comes out rapidly after the
operation let it remain until suppuration
discharges by suppuration -

2nd Roller and Compress - made
of muslin washed and never on a tree
roller of linen not elastic and
slip - 3rd Hand of Assistant useful when
patient cannot bear the loss of blood without
firm application of compression

H. Lomignot - of Petit When apply
Lomignot put it on when supposed to
surround limb when apply with a
roller with gradual Compress over the
main artery of the limb plain over
the compression - 5 garote

Tourniquet of Chamberl. Lippell.
On bladder by coarctate blood

Styptics & Astringents - operate by Styptics
and Mechanical means - Creosote and
Cotton stop oozing very well -
bad surgery to put any foreign body
in a wound to remain in wound any
length of time - stop hemorrhages by pressure

MACHURE.

Definition.

History.

Arteries to which it is considered applicable.

Mode of performance.

Objections.

REFOULEMENT, OR INVERSION.

Definition.

History.

Arteries to which it is considered applicable.

Mode of performance.

Objections.

COMPRESSION.

Importance — Useful either as a temporary or permanent agent.

Points upon which it may be applied. — Either directly upon the bleeding surface, or at some distance from it.

Class of wounds in which it is most useful. — Wounds of extremities, or over bones or firm tissues.

Agents of compression. — 1st, compresses; 2d, rollers; 3d, hand of assistant; 4th, tourniquet; 5th, garot; 6th, tissue itself.

REFRIGERANTS.

Cases to which they are applicable.

Agents usually employed. — Cold air, cold water, ice, &c.

STYPTICS AND ABSORBENTS.

Cases to which they are applicable.

Agents usually employed. — Salts of the metals, creosote, sponge, agaric, lint, cobweb, dry powders, &c.

CAUTERY AND CAUSTICS.

Cases to which they are applicable.

Heat at which the cautery should be applied.

Agents employed. — Metallic bodies of different shapes, mineral acids, argent. nit., &c.

SUTURE.

Mode of application.

Cases to which it is applicable.

PLUGGING.

Cases to which it is applicable.

Manner of applying it. — Speak of Sarra's proposition to "plug the artery" in ordinary hemorrhage.

SETON.

Mode of application, &c.

ACUPUNCTURE.

Mode of application, &c.

ELECTRO-PUNCTURE.

Mode of application, &c.

1 Manner in which the circulation is carried on in a limb, after the obliteration of a large artery.

1, Second indication.—Having arrested the hemorrhage, the next indication is to remove foreign bodies.

Character of these, generally speaking. Should coagulated blood be considered a foreign body?

Manner of removing these bodies.

Third indication.—The next indication is to bring the sides of the wound in contact and retain them in this position.

Agents employed to fulfil this indication. 1. Position. 2. Sutures of different kinds. 3. Adhesive straps. 4. The rollers. 5. Splints.

Fourth indication.—Protecting the wound from injury is the next indication.

Agents employed to fulfil this indication. Much more simple at present than formerly. The lighter the dressing the better, when we wish union by the first intention. Cold water dressing. When union by the second intention of Hunter is desired, the best top dressing is the "warm water dressing," or poultice.

Fifth indication.—To fulfil this indication, antiphlogistics, both general and local, are usually required.

LACERATED WOUNDS.

a Definition. *one torn into sheets*

b Causes.

c Characteristics. *violent shock, want of pain and hemorrhage*

d Prognosis. *unfavourable*

e Treatment.—General indications.

1. Arrest the hemorrhage when it exists.

2. Attempt, if possible, union by the "immediate or mediate" processes.

Mode of dressing to accomplish this. Irrigation and water dressings.

3. When suppuration takes place, promote the secretion by a poultice, or warm water dressing.

4. Keep down inflammation at first, but when suppuration is profuse, support the constitution.

5. When the extremities are involved, the question of amputation may occur.

CONTUSED WOUNDS.

a Definition.

b Causes.

c Characteristics.

d Prognosis.

e Terminations.

f Treatment.—General indications.

1. When the contusion is complicated with a wound of the integuments, close the latter as soon as the hemorrhage (where it exists) is arrested, and foreign bodies removed.

1. By the enlargement of anastomosing branches of the artery this sometimes gives rise to regurgitating hemorrhage -

Lacerated Wounds - 3 Ind position always to relax muscles - 2 Suture - 12 kinds of suture - Interrupt, twisted, quilled and gloves, 1st always pass through without withdrawing it, ~~never~~ let knot fall on one side of line of union, generally make them $\frac{1}{2}$ inch apart. Where wish to approximate the edges very nicely use twisted suture. Insert pins best. 3 Quilled sutures used to prevent scar being no resulting strain. Excellent for lacerations in perineum. For this we require a double ligature - never cut off ends of ligature - leave them free in order to tighten the quill when the tissue shrinks. 4. Glue Suture - Useful in cuts of small intestines and by Adhesive Straps, these should never be taken off all at once for wound is apt to gape. - Lister's strap, very good but from their nature they cannot be used except in water dressing. 4. top dressing - Excellent - Rattone's Should always be light. In wounds of extremities hot and cold water - but warmer in wounds of trunk. the lighter and more simple this dressing the better for patient - 5. Ind - Iodine & Ammonia mixture Morphine & Antimony & ph. etc. - Ant. Juss.

Lacerated wounds - are those that are torn
into shreds, to Character shreds. Want of
hemorrhage, nervous shock & there is no
pain, vessels torn to shreds. danger from the
secondary hemorrhage and from tetanus
the pain becomes very severe when
reaction comes on. can hardly ever accomplish
union by first intention. Prognosis - unfavorable
in lacerating lacerations of the nerves
and hence the occurrence of lock jaw - The
want of hemorrhage owing to contraction of the
arteries of artery and formation of clot
Treatment - to stop the vessels & also compress
them so as to stop hemorrhage, also endeavor to
prevent secondary hemorrhage by tying of sty ties
or attempt if possible union of the wound
or immediate application of warm or cold water
dressing, irrigation & drain off the blood by
position, cover the part by preventing access
of air & apply the shreds of tissue together
in position, to a face where we wish to
avoid scar here, lay out the part and bring the
edges of incision together, draw them up to
collect when suppuration comes on, avoid
ballooning and attempts of possible and when
inflammation sets in use counteractive anti-
phlogistics, be careful to keep the wound dry. The
cold water dressing is required of the acute
tissue, if tetanus is not affected on or
symptoms appear use Camphor spirit & calomel
with refrigerant & antispasmodic & hypodermic

then often compresses of the belt and pads of
skins or cotton pads, or better, cold water, give
with the and wrap the limbs in a lint and plaster
it in a case of ~~extremity~~ situation, when he gets dazed
pulsations and provide tranquil ether and off

Contused Wounds. - Resemble a lacerated wound
Surgical texts give very confused definitions. In some
the ~~contused~~ wounds are divided into certain cases
divided into 3 groups. Prognosis will depend
on kind of contused wounds. Diagnoses
only difficulty discolorations come on
suddenly and surrounded part healthy
1. Echyrosis. Swidity, red in others painful
and if old yellow & brown spots. Effusion of
blood, absorption changed color no ulceration
2nd form prognosis is unfavorable, 3rd
prognosis is unfavorable

Punctured wounds. partakes of contused
wounds. are as dangerous as almost of any wound
if can't feel the needle don't cut for it.

Treatment remove body dress the part with ~~liniment~~
poultices.

~~Punctured~~ Wounds are larger
only more dangerous from hemorrhage we
must be governed by the cavity in which
it is made. ~~Remove~~ 7

Thomas Parry

These positive loss of substance
class under Muced wounds - no tissue
only removed the function is destroyed. Cover
up possible and if can't but dipped
in cold water - treat by modelling
process - when part cut off part
is in if called out in case
two or after, Subcutaneous Character does not inflame

Laceratio Mounds - A - mean one parts are
torn into shreds by blunt body or machinery
gunshot &c. C - by want hemorrhage C.
by paralyzing artery - ceases to contract while the
paralysis is not complete the formation of clot
prevents bleeding - watch however for secondary
hemorrhage - scarcely any pain, the nerves are
so completely paralyzed that all sympathy
between them and brain and hence no pain
L & Altund to vessels the Comp. poss be
R take shreds and lay them carefully alongside
(except in face) and endeavor to get union by
1st intention avoid bandages and ~~compressions~~
suture - if possible - A Antiphlogistic in
wounds of trunk careful in cold applica
to extremities - cold or warm water dressing
take out dead pieces because it acts by
X Caution to use warm poultice. begin with
cold water - and when supp - warm avoid
poultices. ⊕ When limb entirely crushed primary
Amputation. If has compound fracture and
can feel artery pulsate try and save
limb. In very good Constitution and no

pulsation attempt to save - always wait for
reaction for reaction to take place - if takes for
a week - use phlogistics - don't wait until fever
set in -

Continued Wounds. a confused definition
some where integuments are not wounded and
open - when skin entire diff - 1. Ecchymosis
2 Thrombus - 3 No Pulp - Cause laceration of
capillary vessels - Diagnosis - Swelling may be
conf - will produce ecchymosis every drop
is punctuated not uniform like rugose
ecchymosis - and shaded - In stasis several
hours elapse Cuticle adherent in stasis not
so in death - Thrombus part distended cold
and discolored - a large no of small vessels
are wounded infiltration cellular tissue - Pulp
here the part is soft skin sound -

Treat - 1st to apply warm lotion and wait
for nature - 2nd If at 6 or 7 day - still there
stimulate by something - Iodine Iodine Lotion
Liniment - Thrombus local - first unless
part almost bursting - don't open roller
bandage and cold water dressing and
diminish circulation - if clot increases and
danger of bursting - make small
wound and ~~rough~~ - don't touch clot let
it come away by softening - If these fail tie
up main artery - warm water dressing for
clot - or absorb - if inflammation comes
on and suppuration open and keep down
inflammation - when pulp - don't keep
put on warm dressing to make slough

Punctured - a one made small instrument
not very deep or dangerous except when
in joint hanging on tetanus and death -
depend on instrument and shake if
wound also - a round inset will make a
linear wound but edges are turned in when
sharp knife the plane of tissue erected
or inverted - If instrument is turned into
give transverse wound - Risk - hemore large
pain - tetanus - sometimes no bad
symptom - Inflammation and burrowing
of pus - Don't cut for an needle if can't feel it
put on warm poultice when possible itself
take it out - Rusty nail - foot - danger is
tetanic irritation Sooth irritation Keep down
general irritation Keep part saturated
with Laudinum and water if nervous
twitching - Opium Camph - Tars Ant - rest
Counter irritation on spine - if Epasme
Ether In - if edges are red glairy fluid
or dilute wound - Instead of Laud
hydrate Silver and warm dressing

2. Keep down inflammation by antiphlogistics, both local and general. Dress lightly, &c.

3. In severe contusions, it is often necessary, at first to *stimulate* the patient, but this should only be done when the prostration is great.

4. After the inflammation becomes chronic, or when the blood is not readily absorbed, use stimulating frictions, bandages, &c.

PUNCTURED WOUNDS.

Definition.

Causes.

Characteristics.

Prognosis.

Treatment.—General indication.

PENETRATING WOUNDS.

Definition.

Causes.

Characteristics.

Prognosis.

Treatment.—General indications.

POISONED WOUNDS.

Definition.

Causes.

Characteristics.

Prognosis.

Treatment.—Depends on the character of the cause.

1. When they are produced by the stings of insects, the remedies are—*cold applications, volatile alkali, saline solutions* to the part affected; and occasionally *bleeding, diet, and purgatives* are required.

2. When they are produced by the bites of venomous or rabid animals, the remedies are a *ligature above the wound, excision of the part, cupping or suction of the wound, caustics, poultices*, and often *constitutional remedies*, according to the condition of the patient.

3. *Dissecting wounds* are best treated by *suction, caustics, leeches, a blister above the wound, a poultice or cold to the part*, and *constitutional remedies*, according to circumstances.

RABIES.

Definition.

Causes.

Time of appearance after the reception of the injury.

Symptoms.

Pathology.

Prognosis.

Diagnosis.

Treatment.

GUN-SHOT WOUNDS.

Definition.

Varieties.

Characteristics.—Constitutional and local.

Wind wounds.—How produced.

Gun-shot wounds usually contain foreign bodies.

Pathology of the wound.

Prognosis.

Treatment.—Several indications. Modified by nature of wound.

1. Attention to general condition of patient at the time the wound is received.
2. Arrest the hemorrhage where it exists.
3. Examine wound.
4. Remove foreign bodies, if possible.
5. Dress the wound. Cold applications should first be tried, and if these fail to afford relief, apply warm or hot.
6. Guard against secondary hemorrhage.
7. Prevent the formation of pus.
8. Prevent inflammation if necessary by *antiphlogistics*.
9. Support the general health, if necessary after suppuration is established.
10. Heal sinuses.

Gunn Shot Wounds.

Treat. If prostrated mentally or Phys -
bring him out of condition before examining
wound. Arrest hemorrhage. Now examine
around place the patient in position when the
wound was received - and if large enough
examine with finger - if too small or
deep examine with the Gun Shot - probe
use no violence at all - may open a vessel
by it - don't force on hand it a little
batter it to find the track - then the
removal generally use the forceps if a
piece of cloth - great objection use the bullet
forceps are too large - we can generally
remove except when in Bone - If the
bullet has lodged in the bone allow
the bullet to come out by suppuration
if only superficial to expand opening
and get out Sometimes use a Rind
of Scoop when we can't expand the
orifice, must always have created
it Rind one, Remove the foreign body
if possible. Sometimes lodges on the
other side. Make a counter opening
when you can find out where the body
lies - Ist If you find the body in a
part totally supplied with blood -
and you can not reach it without
endangering the large vessels - dis-
sect alone.

The next is to what

dressing - depend on the Situation
of wound - if on the extremely cold
water dressing - if chill come on ~~let~~
~~the~~ supply warm, if grow or turn R
warm and sometimes - Use Antiseptics
treatment - but govern by external
circumstances; great danger
of Secondary hemorrhage - from the
5th to 12 day. Pain sometimes set in
in - if the dressing be opened - find
swelling and acute inflammation
set in - begin most active Anti phlog
bleed him leech him - give him
reducing doses and endeavor to
purification sometimes come on
prognosis very unfavourable - as wound
come and watch case when the
suppuration comes on - and
heal by cutting open sinuses.
If struck with shot - pick out
shot if not covered - Powder
wounds Take needle and pick
out all grain powder, cover the
part with cloth and Musilage
Propriety of amputation. If and
is good and intend to take care him
try to save him - if Contused and if no
pulsation amputate. Also where the
parts are crushed.

Characteristic 1. Const. 2. Local - 1. great
nervous shock and tremor - 2. Dependent on
shape of projectile on the density of the
tissue wound of entrance always wound &
smooth wound of exit lacerated and torn
rare and dense medium - d. dependant
on the action of spent ball - e. more or
less discharge of blood sometimes profuse
hemorrhage - per saltum - indicates large
vessel involved - as a general rule pain
not so intense - sometimes great pain
show great lesion of nerve or important
organ - often indicates course of
ball. Treat - a' unless patient is
bleeding profusely always attend to the
constitution and if depressed stimulate
b' - If internal try everything to stop
bleed by taking up main art - re
c' place him in position in which he
was when he received wound - If finger
out finger - Gunshot probe ^{not a plan necessary} if no foreign body
d' a gunshot wound is never to be
compressed - because it must swell
as a general wound will heal by 2nd
intention - best dressing but dipped in
water and held in position by adhesive
plaster and oil silk - if in apt
cold water nulls nervous shock
as much as possible - a puncture
not good because because it weakens
the back it produces debility

constitutional - governed by circumstances
stimulating a sedative - pain
don't use ether - give him opio -
guard against secondary haemorrhage
usually safe to 5th day - from
this is a 50 day watch - sometimes
long after this - in consequence
of the bursting of small art,
pouring out blood and causing
necrosis - in Artery and artery
artery and tie it or main artery
7 - Pus, dilate wound in trunk.
Dilate in 44 - ^{only 2} ⁱⁿ ^{the} ^{artery} ^{coming}
in and causing engorgement and
more danger - limb distended &
thinning

100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200

SECOND DIVISION, OR DISEASES OF THE TISSUES.

I. DISEASES OF THE BONES.

GENERAL REMARKS.

BONES MOST LIABLE TO DISEASE.

CAUSES OF DISEASE.

EFFECTS ON CONSTITUTION.

CLASSIFICATION.—All diseases of the bones may be ranged under three heads.

1. The non-malignant diseases.
2. The malignant diseases.
3. Wounds and fractures of bones, and their occasional results.

FIRST HEAD, OR NON-MALIGNANT DISEASES.

- a. Neuralgia.
- b. Atrophy.
- c. Hypertrophy.
- d. Osteitis.
- e. Abscess.
- f. Ulceration.
- g. Necrosis.
- h. Mollities ossium.
- i. Fragilitas ossium.
- j. Rachitis.
- k. Tubercle in bone.
- l. Osseous aneurism.
- m. Exostosis.
- n. Hydatid encysted tumor.
- o. Serous encysted tumor, or spina ventosa.

SECOND HEAD, OR MALIGNANT DISEASES.

- a. Osteo-sarcoma.
- b. Medullary sarcoma.
- c. Fibrous sarcoma.
- d. Fungus Hematodes.
- e. Melanosis.

First Head.

I. NEURALGIA.

Diagnosis.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

II. ATROPHY OF BONE.

Definition.

Varieties.

Causes.—1, diseases of various kinds; 2, retardation of structural growth; 3, old age.

Effect upon the strength of the bone.

Appearance of the bone.

Analysis of atrophied bone.

Treatment.

III. HYPERTROPHY.

Definition.

Varieties.

Causes.—1, exercise; 2, excessive nutrition in different bones; 3, inflammation; 4, degeneration of soft deposits upon bone, the result of periosteal inflammation.

Effect upon the strength of the bone.

Symptoms.

Appearance of bone.

Treatment.

IV. OSTEITIS.

Definition.

Question of its possible occurrence.

Varieties.—1. Acute. 2. Chronic.

Persons most liable.

Bones most frequently attacked.

Causes.—1. Constitutional. 2. Local.

Symptoms.

Diagnosis—May be confounded most readily with periostitis and endostitis.

Prognosis.

Terminations.—Resolution, atrophy, hypertrophy, suppuration, ulceration, mortification.

Dissection.

Treatment.—Depends on variety of inflammation, its intensity, and the bone attacked. The remedies required may be either general or local, or both combined.

V. ABSCESS IN BONE.

Location of matter.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

VI. CARIES, OR ULCERATION IN BONE.

Definition.

Confusion among authors as to its precise nature.

Bones most liable to be involved.

Disease of Bones —

In treat modify fluids that compose the animal parts. Certain bones are more liable than others to get disease, find this to be in ratio of organization.

Neuralgia of Bone, nerves take on disease, generally begins in a tubercle should an osseous child — usually the part pain not augmented by pressure and not increased or by shock not complicated by swelling — and generally an osseous constitution, if inflamed shock will produce pain — treat frequently give full doses of Iron fructum Sulfate, and Rub Acumite tea, good diet fresh air exercise — Atrophy want of arterial blood, patient must be constantly exposed to constant fracture, effect of inflammation — result simple inflammation. Abscess, Inflammation condition of Bone I found Acute or Chronic — To look at individuals — young — persons most liable — also find Spongy bones more liable treat with great more active — derive causes into Cons & Local — and none more than Spinal — Confined almost exclusively to particular bones if Syphilitic bones I as head — If Scrophulous the Spongy bones — Long Bones in Rheumatism any many inflame with disease.

When bone takes inflammation developed
always a particular kind of Osteitis but
so soon as an additional amount of art of
blood the deposits of earth ceases and
the animal matter expand. and when
Inflamm stops the earthy matter is then deposit -
Why is bone bent as it inflames the bones get
softened and the weight will cause bending.
It may go on ulceration, necroses, or Caries
Sometimes abscess, diffused as well as
simple Abscess. Inflamm of Osteitis the
swelling commences surrounding parts.
After, the bone gets inflam - the redness
is a shining redness - confounded with
periosteitis one symptom distinct in
nature a soft fluctuating tumor always
a ~~distinct~~ case. Chronic inflam and
set of symptoms constitutional disturbance
very small, if have a fever but few
look to some chronic inflam - local
inflam very little change in color
pain not increased on pressure,
if be const decided it will not
be inflam = pain local, position
make sleep well at night
a Dover powder every night
cold leeching bleeding purging
In chronic don't use Antiphlogistic
Shoam, the patient and use
Some medicine, alterative

Sometimes will go on to abscess - 2 kinds
suppurred abscess - and one in a
sac (indication of each - acute inflam
showing changes sensation - a
throbbing pain instead of lancinating
pain substitute, a warm flannel or
a plaster, after the sup goes on make
a free incision and let out the pus
if find it ooze an if moistened with pus
internal abscess - Sup chronic abscess
but aching pain worse at night, pain
with out increase under that spot a
circumscribed pain a circumscribed
abscess - Must lay bare the bone.

Caries. - Duration of Bone Pus
in Character depending to yield to usual
into phlogistic treat, on a flat bone
that take place is in skull - Most only
the spongy bone - Modified by the
cause, from simple focal inflam
located any where - Symp Const &
local - divided into 3 groups
If inflam study the patient, if open
large enough break under - and
patient pain acute, in chronic no
pain, 1st local by active treat.
As ~~the~~ opening pain getting better
As wounds heal but after gets worse
the granulation, cicatrizes and little
supple - disease. And stage diff
treat

3rd Stage patient constitution beginning
to sink no pain in bone

1st treat, no matter where it is. But
R. at rest - much fever. Use
warm applic. or cold, attention
to Constitution. 2nd Don't cup

or leech apply blist Counter irrita
and Rest - for cons. - alternative

medicine - Safest rule in 2nd Stage
And constitution not gone let bone
rest, 3rd Stage, either cut out

the diseased bone. Relieve or cut
off if only one or two bones out of
make resection, Sometimes scrape if
the Caries for when to stop. Rubs over
more resistance and comes of like thing
Sometimes. Sometimes open the part
apply the actual cautery.

Don't apply acid can't limit it &
sometimes excite inflam. Condition of
Caries bone, if get a piece of away &
macerate in water and dry it put it
in acetic acid, and if all dissolved by
reach of remedy -

Morbid death of Bone
Don't mean simply death, what breeds
death, Louis first one to see

rough divided 3 kinds of terminal,
Internal. 3 Complete - always to continue
with. Phenomena depend on case

1st inflam - 2nd detached and new
bone & health returning - 1st to continue
with simple osteitis, superficial swelling
short time ~~the~~ goes down - Internal
and Complete dent occur - 2nd per
ulcer impossible to distinguish unless
you probe, be misled - if tap it will ring
when loose and necrosed - but if causes
will not ring - 3rd Stage bone gets
wet - Suppose have internal perforation
Killed - 1st thing attract atter. osteitis
when 2nd Stage symptoms becomes more
obstinate, pains augmented, must
open the bone to save it. The dead
portion ~~does~~ becomes shut up.

Complete Inflam very intense &
more complex - either to take away
part of bone -

As soon bone dies some left parts
the phenome that characterize the
Suppuration, 1st red line demarcation
2nd yellow or white and then
dead bone rotten off - owing to the
absorbt action separating the
living from the dead bone - as
soon as dead bone nature forming
something to take its place, dead
bone must be taken away -

Varieties—Simple, syphilitic, strumous, malignant, &c.

Causes.—1. Constitutional. 2. Local. The seat of the disease, when constitutional causes operate in its production, is modified very much by the character of the cause.

Symptoms.—Constitutional and local. Modified by the cause, stage, location, and extent of the disease. Usually three stages.

Diagnosis.

Prognosis.—Often confounded with osteitis, periostitis, endostitis, necrosis.

Dissection.

Chemical analysis.

Treatment.—Both constitutional and local remedies will usually be required, and these must be modified to suit the stage, intensity, and cause of the disease. In the *first stage*, antiphlogistics are usually required. In the *second stage*, emollients or stimulants, to change the character of the ulcer, are generally employed. In the *third*, we must either *cut out the diseased bone, destroy its vitality, or remove the limb*.

The cause must always be removed, if possible; and if *specific* in its character, *specific* remedies or alteratives are to be employed.

VII. NECROSIS.

Definition.

Confusion among authors as to its precise character.—Louis was the first to describe it accurately.

Bones most liable.

Causes.—1. Constitutional. 2. Local. Most of these operate through the medium of the periosteum, either *internal* or *external*. Some effect the bone primarily.

Remarks in reference to the influence of the periosteum.

Varieties—1. EXTERNAL. 2. INTERNAL. 3. COMPLETE.

Symptoms.—Constitutional and local. Often obscure. We have usually three distinct stages in the progress of the disease.

1. The inflammatory stage.
2. The stage of suppuration and detachment.
3. The stage of reparation.

In *external* or *superficial necrosis*, the local symptoms, in the *first stage*, are a dull or acute pain, soon succeeded by a flattish tumour, in which fluctuation is after a time observed. The skin next changes its color, ulcerates, and pus is discharged. There is always more or less fever.

In the *second stage*, the swelling diminishes in size, the bone is felt *bare, rough, or smooth*, according to the nature of the action preceding its death, often rings when struck, and when we can see it is either *whiter* or *darker* than natural. The pus discharged is either laudable or unhealthy. There is sometimes inflammatory fever in this stage, but often we have *hectic*. The bone is gradually loosened and detached by a process termed "*exfoliation*," which is very analogous to sloughing of the soft parts.

In the *third stage*, the local symptoms become milder, the constitution improves, and the new bone is formed.

In *internal* or *complete necrosis*, all the symptoms are more severe; and in

the *second stage*, the swelling does not diminish in size so much as in external necrosis.

Process of separation described.

Manner in which the sequestrum or dead bone is disposed of.—Depends upon its being *external, internal or complete.*

Process of reparation described.—Varies in the different kinds of necrosis.

Character of the new bone and its various stages of organization.

Cloaca.—How formed, shape, &c.

Prognosis.

Diagnosis.

Treatment.—General indications.

1. Remove the causes.
2. Palliate the symptoms.
3. Remove the dead bone after its detachment, and sometimes detach it with our instruments.
4. Treat the limb, where the entire shaft of the bone has been destroyed, as you would a fracture of the same part, until the new bone is sufficiently firm.

VIII. MOLLITIES OSSIUM.

Definition.

Causes.

Persons most liable to be attacked.

Symptoms.

Prognosis.

Diagnosis.

Pathology.

Treatment.

IX. FRAGILITAS OSSIUM.

Definition.

Causes.

Persons most liable to be attacked.

Symptoms.

Prognosis.

Diagnosis.

Pathology.

Treatment.

X. RACHITIS.

Definition.

Causes.

Persons most liable to be attacked.

Symptoms.

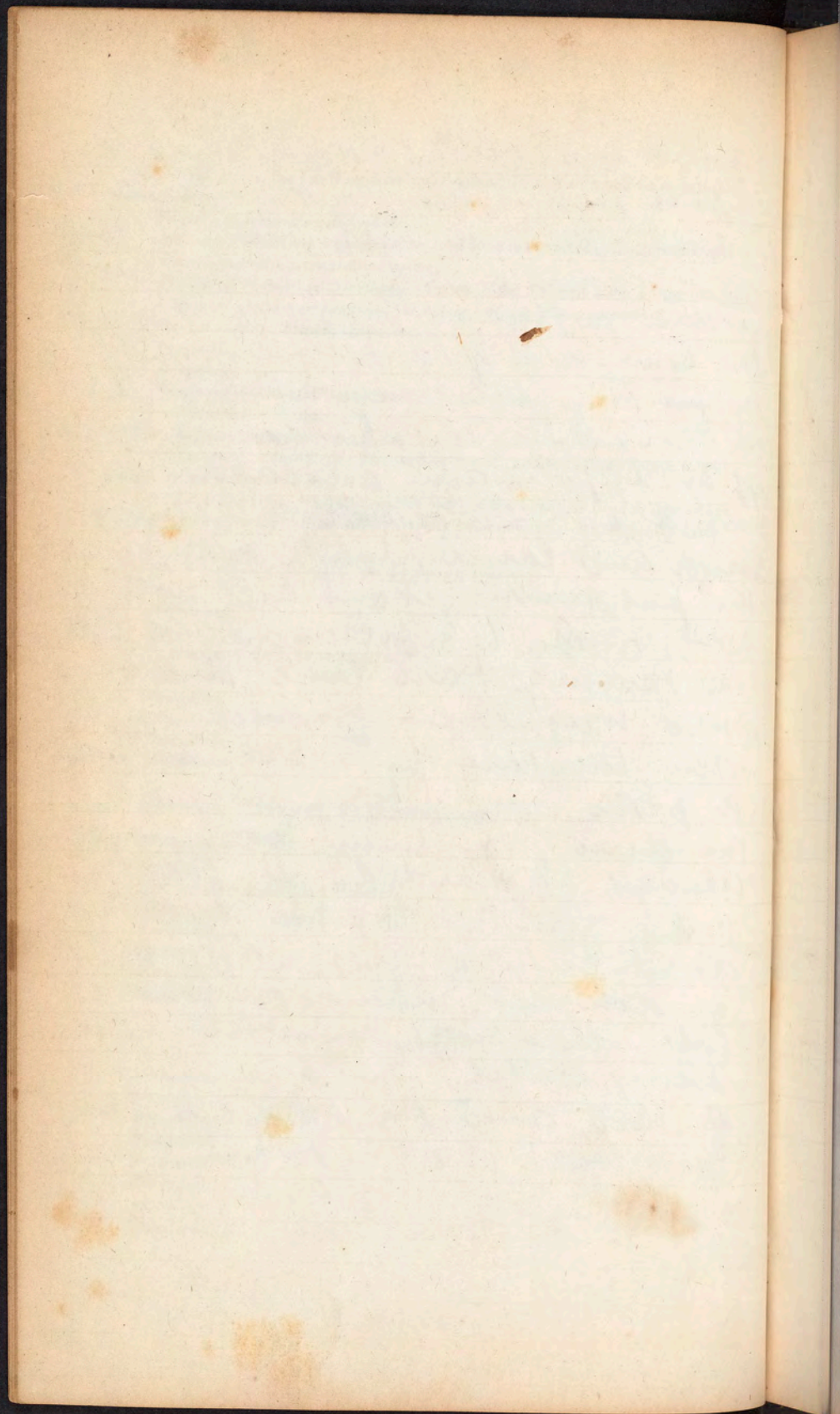
Diagnosis.

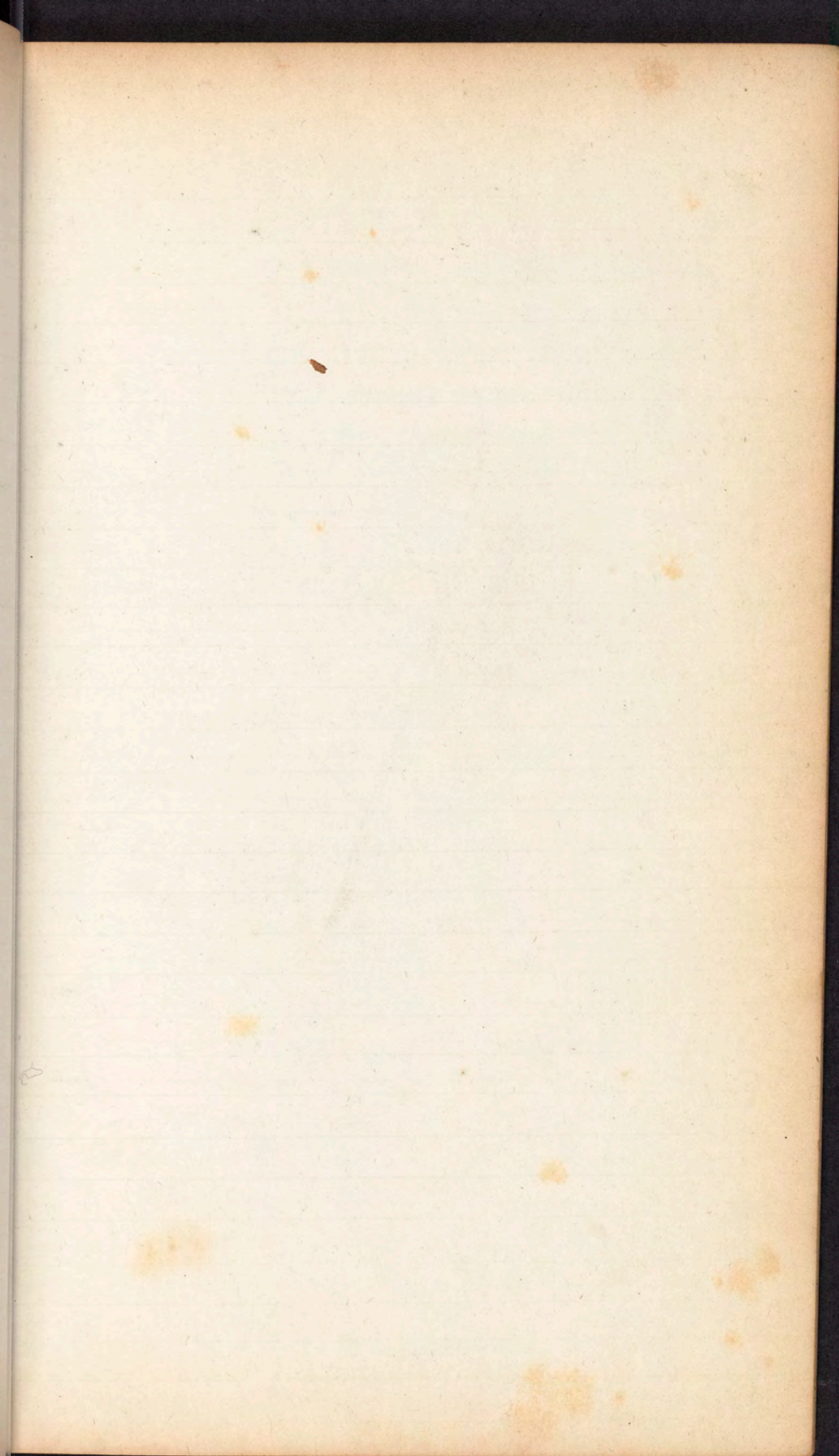
Prognosis.

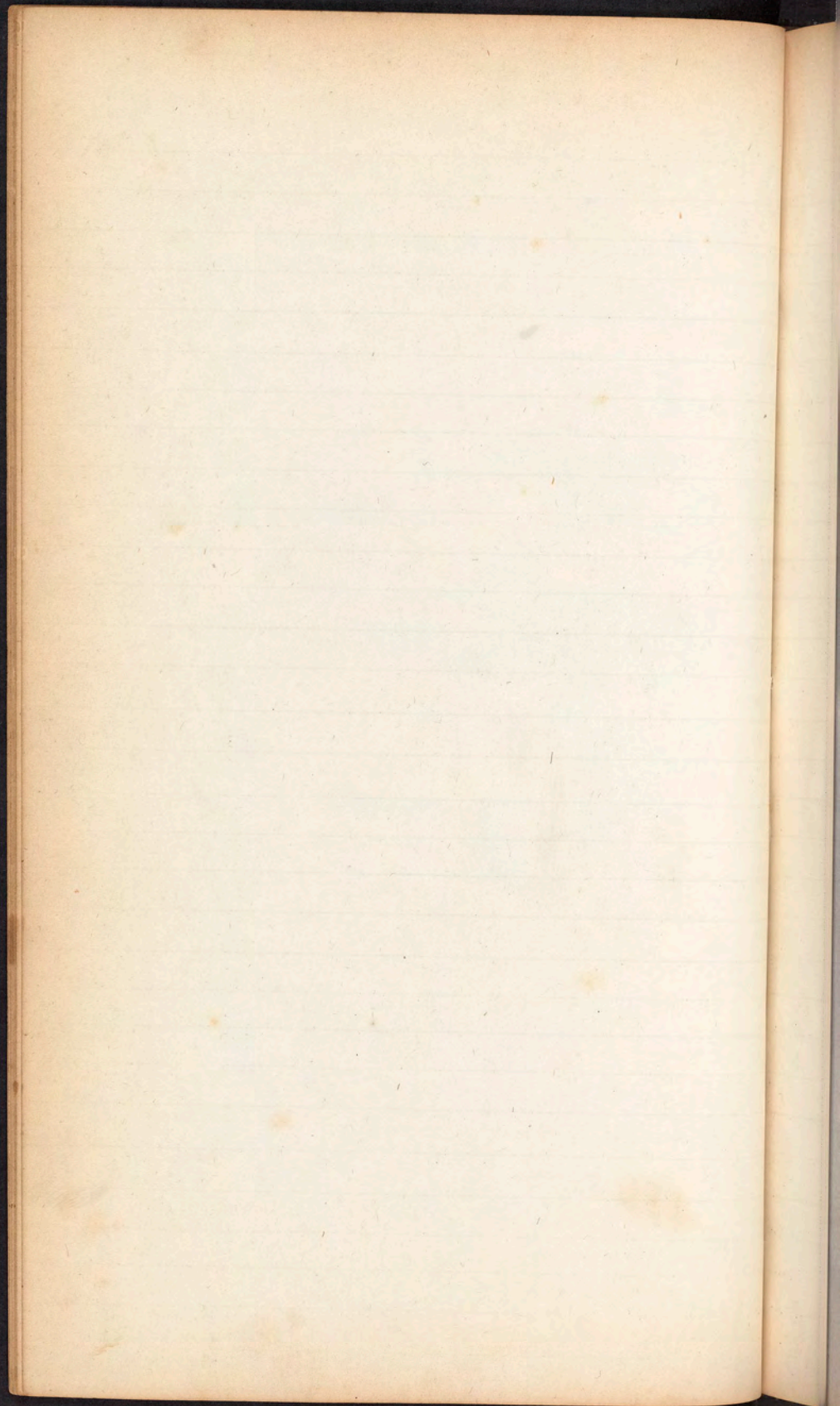
Pathology.

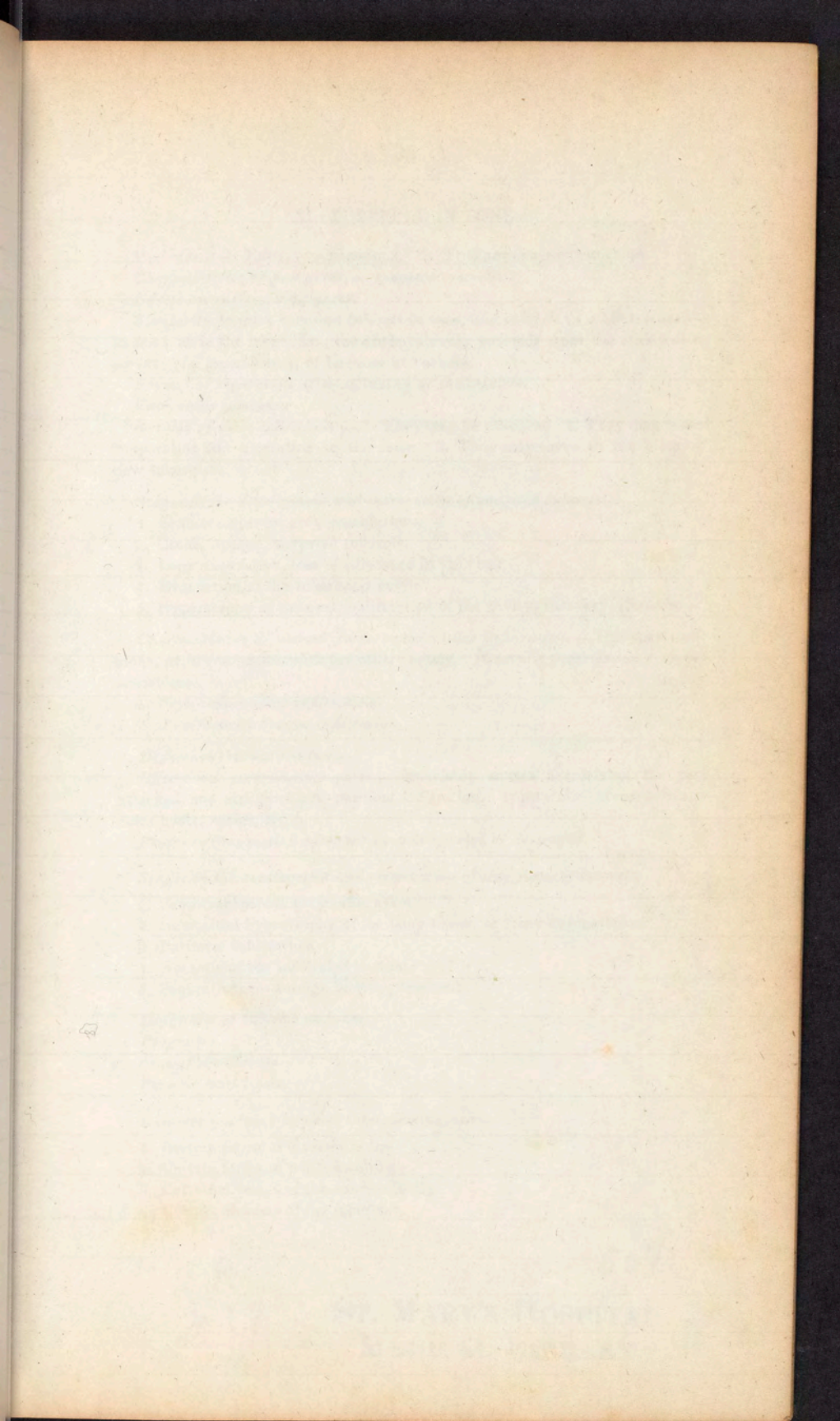
Treatment.

osteosarcoma must always attacks hard & compact organization not complete enough to resist action, an important in diagnosis may be occurred by any thing that will produce inflammation, can occur during the soundness of the periosteum is fine the ~~for~~ bone will grow if the periosteum not there, 3 stages. (where bone is thrown off by exfoliation a cicatrix will cut a pit - The new bone is always rough and larger, rough parts, where the put must get out and will plain 2nd made by deficiency of plasma the openings ~~are~~ large and much more irregular - porous, if Super can tell easily by - 2nd stage pass a probe, the instrument will sep. the dead from living bone - prognosis always be guarded - for that - Modify your conservation according to circumstances of case, when the life in danger. when the bone is lost, take away immediately - avoid using chisel, the bone is full of blood, and put patient to bed and treat it as a broken bone.









XI. TUBERCLE IN BONE.

Varieties.—1. ENCYSTED TUBERCLE. 2. TUBERCULAR INFILTRATION.

Characteristics of first form, or encysted tubercle.

Effects on surrounding parts.

Similarity between encysted tubercle in bone, and tubercle in other tissues.—

In bone, as in the lungs, &c., the crude tubercle proceeds from the *semi-transparent gray granulation*, of Laennec and others.

Process of reparation after softening of the tubercle.

Tubercular pouches.

Results of these collections.—1. They may be absorbed. 2. They may cause suppuration and ulceration in the bone. 3. They may serve as the nidus of new tubercles.

Stages in the development and maturation of encysted tubercle.

1. Semi-transparent gray granulations.
2. Crude, opaque, encysted tubercle.
3. Bony excavation, loss of substance in the bone.
4. Evacuation of the tubercular cavity.
5. Hypertrophy of the cyst, obliteration of the cavity, recovery, (Nelaton.)

Characteristics of second form, or tubercular infiltration.—This may exist alone, or in connection with the other variety. It usually presents *two different conditions*.

1. *Semi-transparent infiltration.*
2. *Puriform or opaque infiltration.*

Difference between the two.

Effects on surrounding parts.—Invariably causes necrosis of the part attacked, and also produces purulent infiltration. It may also occasion tubercular cysts, caries, &c.

Process of reparation after the bone is affected or destroyed.

Stages in the development and termination of this form of tubercle.

1. Semi-transparent gray infiltration.
2. Interstitial hypertrophy of the bony tissue, or ivory degeneration.
3. Puriform infiltration.
4. Necrosis of the infiltrated portion.
5. Sequestration—foreign body—(Nelaton.)

Diagnosis of tubercle in bone.

Prognosis.

Seat of the disease.

Persons most liable.

Diseases produced by these tubercular deposits.

1. Certain forms of diseased spine
2. Certain forms of white swelling.
3. Certain diseases of the smaller joints.
4. Certain diseases of the inner ear.

XII. OSSEOUS ANEURISM.

Definition.

History.

Causes.

Location.

Persons most liable.

Symptoms.

Effects on adjacent parts.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XIII. EXOSTOSIS, OR SIMPLE BONY TUMOURS.

Definition.

Classification.

1. Those which originate in the periosteum, or sub-periosteal cellular tissue, and may be termed *external periosteal*, or *peripheral*.

2. Those which originate in the substance of the bone, or in its cavity, and may be called *internal* or *parenchymatous*.

3. The *cartilaginous*.

4. The *ivory-like*

5. *General Exostosis* involving the entire bone.

6. *Partial Exostosis*, when the disease is confined to a portion of the bone.

Mode of development of the periosteal tumours.

Mode of development of the parenchymatous tumours.

Liability.—Some bones more frequently attacked than others.

Number of tumours.

Size of tumour.

Color of tumour.

Form of tumour.

Causes of disease.

Symptoms.—Vary with the cause, structure, and shape of tumour, its location, and the rapidity with which it grows.

Effects on adjacent parts.

Diagnosis.

Prognosis.

Terminations.—1. Resolution. 2. Conversion into other tissues. 3. Necrosis.

4. Suppuration.

Treatment.—1. Medical. 2. Surgical.

XIV. HYDATID ENCYSTED TUMOUR OF BONE.

Definition.

Causes.

Part of the bone most liable to be attacked.

Effect upon the bone.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

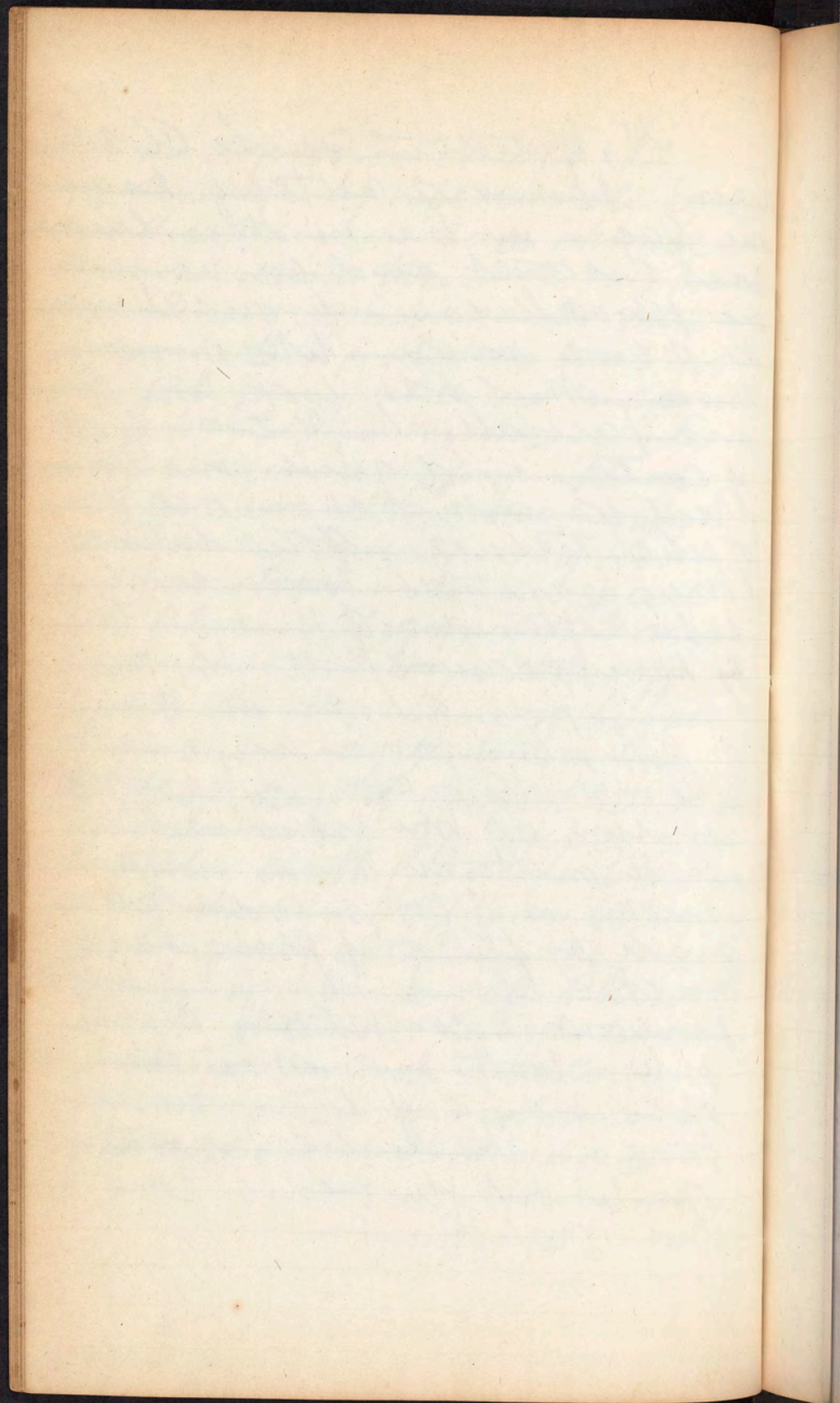
Treatment.

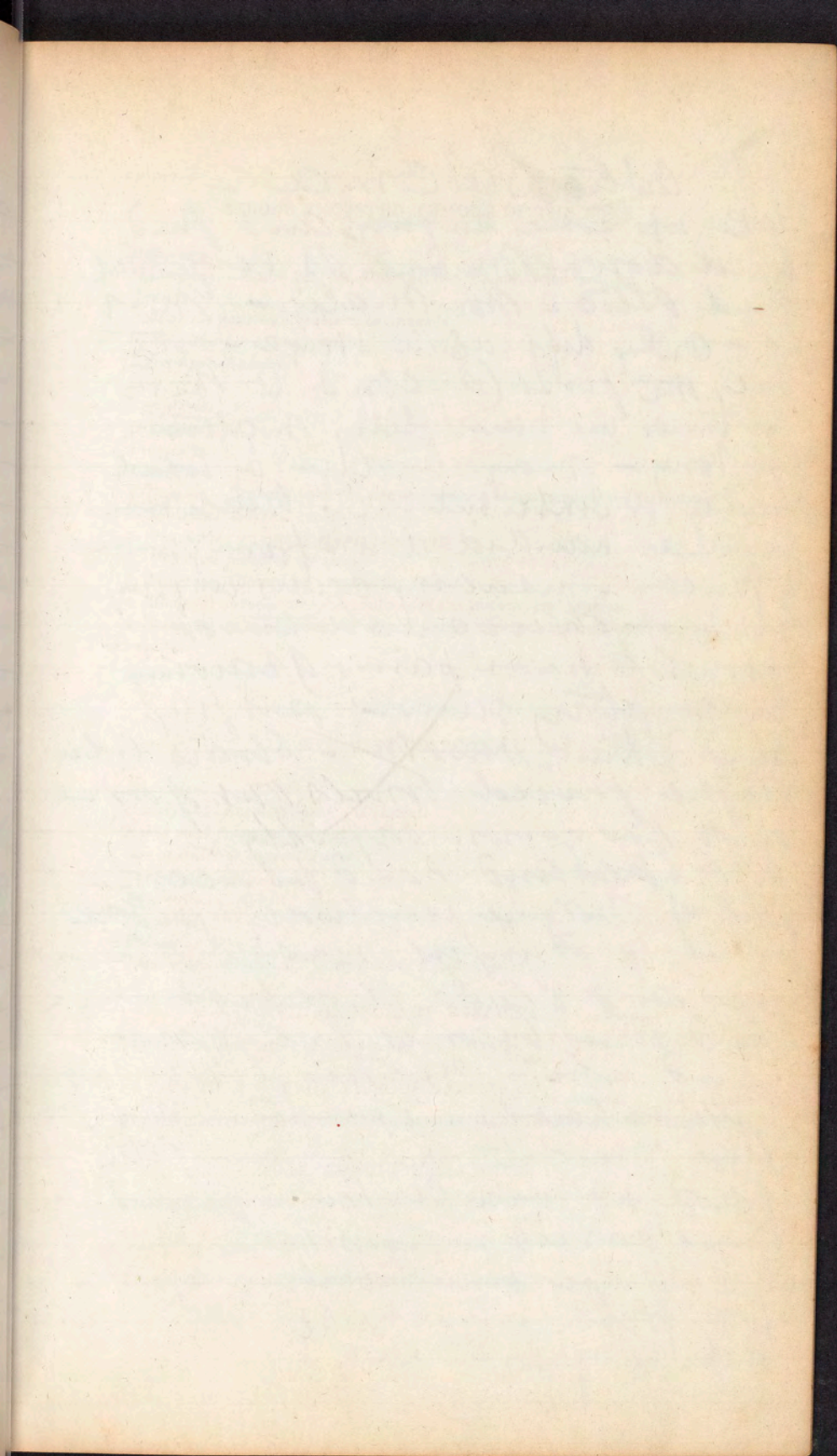
Alleged Aneurism - a disease
of bone duct and pulsating tumor
pain begins and developed in
spongy bone thru the main artery
if fails to cure cut off the limb.

Osteostosis - a simple bony
tumor healthy. Div. it takes hold &
move it about - 2nd may begin on
out and grow out outside and
growing in - B - Is described as
incontinua, periosteal tumor a tumor
partaking of nature of cartilage and
bone & peculiar osteostosis of thoracic
thick bones - 5. described as the osteo-
s - Hypertrophy of Bone 6. partice
and which we have generally to
cure, in person who has a constitutional
tendency to this disease brought on by
constitutional, or local begin on
periosteum - 2nd only can be
developed by chronic and acute
osteitis, and bone becomes soft
plasma thrown out and when
the curval - plasma becomes
bony - Bones face and Pelvis -
Also number of tumors -
no limit. to growth of these tumors
Color importance - have black
yellow but be mass -
shape as Base of these
tumors no way of away

Symp - depend on cause &
1st develop by inflam all Symp
and disappear as case chronic -
After no incon - tumor begins to
grow serious - grows against skin
or nerve where pooled ex trabs not
painful giving rise no incon -
these local phenomena while
progresses generally few - place
and circ with alter. Treat - ~~the~~
Is it growing or station - if sta
don't grow, no incon no pain
let alone - ~~If~~ grows and can't
limit - cut it away - take off
depend on the place if simple
tumor cut away the tumor or bring
the flap - But if complicated this
the oper cut off $\frac{1}{3}$ apply the
actual - cut off $\frac{1}{3}$ base - If large
tumor, shall cut off tumor or cut off
limb if very extensive cut cut
off cut off limb. If Perost a
soft tumor, can cause
the entire removal excite by
inflammation and supp - and
by ~~these~~ remedies produce &c

It, dated tumors so closely
resem. Spines of ventoses have
one sac - in one in other several
sacs distinct and converge in
one fibrocellular - in one encysted
the name ranine - like through
thru. Must say looks like spin
and partially inflated & look
if contain wind can't have Spines
ventosa, without chronic inflam
of whic. tissue, inflates inter
bone, sometimes ~~looks~~ devel on
side. often developed in Antrom
by having carious teeth. Why this
tumor, first an opening tissue
of Bone, lining membrane soft
and secretes a non malignant
effusion, as bone expanded the
osseous matter is thrown out (perpet
smooth, or if rough indentation
made by fluid if press it will
crack. absence of pain - That
punct and compress - Antrom
put a tooth or make an
open side - if large tumor
throw in stimulant by infect - if
puslet out fluid and come
not Malignant -





Osteo Sarcoma -

Take up some surgery and find
laid down the dist. as very mal
and Osteo - non malig - not
so - only diff as to stage - the
one the first (second & third
in tumor we have fleshy matter
and bony - may be due by local
causes or Constitutional. Occur in
families handed down from grand
to grand - usually occurs in young
group - observe small tumor
begins to have pain, gnawing
rancinating pain - put firm
hard skin - smooth - Strain color
tongue furrowed bowels out of order
and has grown rapidly
soft spots and hard places -
feel of obscure fluctuation 2nd
spec. 3 Fungus masses throw
up - and bluish lightest stage
and then becomes red green
and white cretaceous fungus
stomatodes. operitum cell
line delicate membrane. Cells
filled up with certain fluid
and varies - and bone only
2nd Stage bone nearly all gone -
look fresh like cheese like
medullary matter.

XV. SEROUS ENCYSTED TUMOUR OF THE BONE.

Definition.

Synonymes.—Spina ventosa, fibro-cellular tumour, wind ball, &c.

Causes.

Part of the bone most liable to be attacked.

Usual situation of the tumour.

Effect upon the bone.

Size.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—Depends upon the size and location of the tumour, and the nature of its contents. Several general methods.

1. Puncturing or simply opening the tumour.
2. Puncture followed by seton.
3. Puncture followed by stimulating fluids.
4. Removal of the semi-solid contents of the tumour, and pressure.
5. Removal of the tumour, or amputation of the limb when it occurs on an extremity.

Second Head.

XVI. OSTEO-SARCOMA.

Definition.

Causes.—1. Constitutional. 2. Local.

Bones most frequently attacked.

Age at which it generally occurs.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—Removal. Amputate at a joint if possible.

XVII. MEDULLARY SARCOMA.

For the characteristics of this disease, see "Cancer."

XVIII. FIBROUS SARCOMA.

For the characteristics of this disease, see chapter on diseases of the "Fibrous Tissue."

XIX. FUNGUS HEMATODES.

For the characteristics of this disease, see "Cancer."

XX. MELANOSIS.

For the characteristics of this disease, see "Cancer."

Third Head.

XXI. WOUNDS OF BONE.

*Definition.**Causes.**Bones most usually involved.**Characteristics of wounds in bone.**Prognosis.**Diagnosis.**Process of union.**Treatment.*

XXII. FRACTURES IN GENERAL.

Definition.

Causes.—1. Predisposing or remote. 2. Proximate or efficient. The first class may be subdivided into the *local* and *general*.

(1.) The local predisposing causes are—

- a. The situation of a bone.
- b. The function of a bone.
- c. Some local disease.

The general predisposing causes are—

- a. The diathesis of the individual.
- b. The disease of the individual.
- c. The age.
- d. The season of the year.
- e. Sex.

(2.) The efficient causes of fracture are—

- a. Muscular action.
- b. External violence, directly or indirectly applied.

Bones most liable to fracture. Refer to statistical tables.*Classification of fractures.*

The first division is based upon the relation of the solution of continuity to the axis of the bone. Thus we have—

- a. Transverse fracture.
- b. Oblique or obtuse fracture.
- c. Longitudinal or parallel fracture.

The second division is based upon the appearance of the fracture, which is always modified by the kind of force producing the injury, and the bone involved. Thus we have—

- a. Fissures.
- b. Stellated fracture.
- c. Depressed or indented fracture.

The third division is based upon the displacements of the fragments. Thus we have—

- a. Longitudinal displacement, or shortened fracture.
- b. Lateral displacement, or displacement in the diameter of the bone.
- c. Rotatory displacement, or displacement in the circumference of the bone.
- d. Angular displacement, or displacement in the direction of the bone.
- e. Impacted fracture.

if macerate, 8th Stage we have
made cells - prognosis unfavourable
if have 1st stage cure by cutting
out, if wait for second or third
stage, or by amputate the joint
no use to tamper, must
take away page 12

Wounds - Solution cont -
made by sharp inst rarely need
especially flat - push parts aside
and drawing thin - very liable to
take on inflammation - Sympt
pressure in bone and pain around
part more lessened and centred
Prognosis - unfavourable - danger
of Erysip inflammation. if cut and
fill with blood - coag - clotting -
absorb - and fibrin organizing
and then becomes ossified - Study
the form of Callus, if on flat
bone union somewhat similar if seen
taken out, clot of blood deposited
and coag - on top of sculp don't
touch it - if dust add, humor
apply cold or warm dressing large
part grad - fall off rest organizing
int - flat - differ from long bones
wounds as soon as fibrin organ
becomes organ in a membrane
very dense - if org went to bone we
might have organ injured

accidentally goes on to cast but rare to
bone. Local place in position without any
sponge draw edges together put limb
splint, and look out for inflammation 9-out
10 cases Ery - head - Clean - and
if large put limb cold water
and as soon sponge away and
then bring edges strap, and app
limb and keep down inf -

Fract, upper from wound fibres Sep Cont
in Fract simple solution of Contin -

a. Bones liable from exposed Sit
B. fine c - sph c - Same local as
cancer. General pro O

a - Drake - nature fail animal
matter prepond - centre matter
from bone. b. dis - if ind - draw
line between a & b - sup - Sph
or Sph - and thus bones more liable
great difficulty in uniting such
bone - c, ap animal matter
decrease. d - Sup of body
always same, e - Female much
less liable - Causes - Muscular
contract, Patella most liable every
bone liable - b - counter stroke
transmission of shock or direct blow
a - Broken across, b. most diff
to manage, c - Rare most diff

b. Disting. qm produced by qm shot
wound. 2nd div. A - Fissure
from how a crack proceeding from it
and by a red tender line over less
swelling - and sometimes effusion. b
very difficult to manage radiated
fract. - qm in flat sometimes thick
c. Dis. - Poor. compress - and death
double disps. - Limp - one edge
pushed down on brain - double c -
harp. ledge forced down -

Displace - f

- a. Bone short piece - by center
b. Mean cut cases have low frag slip
to one side of other - rotation -
displace in diam - and ulso long
c. Produced by at limb rotating
the frag upper diam station lower
move - may have all combined
d. gets back - faulty dress if that
one end bone make an angle
if great can't be fixed
e. the parts thrust into each.
Other - draw the fibres apart
overlooked giving rise to short chf
as bones are past - must refer to
other cases

Diagnosis - But bone no crepitus can straighten
but when stop pressure will return to its original
position again curve is regular may conform
with various fracture curve other way - often
compounded with partial fracture general in
clavicle, the angle is acute but steady
the arm and place bone in apposition well remain
so - ~~no~~ no crepitus treatment same as in
in complete compounded with sprain especially
in ginglymoid character - a peculiar die knis
comes over him - and no crepitus unless some
times 24 hours after accident swelling uniform
always treat doubtful cases as true fracture
prog - eye larger more dangerous most common
in those of femur except in chest - b. where there
is a great deal of musclicae fibre about them
modified the prog with regard to deformity - c. near
a joint regarding joint as well as bone itself
d. relation of bone to cavity as in brain - of Iodine &c
from inflam - e extent of injury of soft parts
much more danger, where the limb is pulp
worse even than compound fracture - always case
where the bone is broken by direct force - f
direction of fracture as in oblique fracture
usually have short limb, always watch patient
daily - g. the younger the more favorable the
prognosis - h. health of patient as in syphilis
lactat or scrofula - here always treat the
disease - Phosphate of Lime & Iod in scrofula
and Mercury or Iod of Potass in
h. In hot weather the inflammation causing red
swell and fever - i. Extrem involved - with
moderately more favor in upper - l. more than
the fracture more or less fever and sinus
or abscess from reaction. hence be on guard

And hence Antiphlogistic must have false joint
And others - m - when bone is in place - must have
is amputate - one symp - in comminuted fracture
of no pulsation amputate if exist try to save
m - attend to lay at first then treat fracture
generally followed by stiffness -

Steps for separation - 2 Kinds of union
provisional and definitive callus, the former
always taken up - when bone is broken 1st eff
usion blood & serum & 24 hours after plasma
change absorption of serum & coloring matter
converting the whole into a pinkish mass - about
3 day consistence common boiled white of egg
next at 5 day - soft parts and perivascular units
and the surrounding clot becomes vascular -
and organized 4 - this converted into cartilage
when this is complete the cartilage begins to ossify
in centre - when this becomes solidified the mass
of compact structure becomes solid - making 6
stage - 1st Blood - pink mass cartilage -

then the middle becomes absorbed - the definitive
callus is the part remaining between the
two ends of bone - requires from 2 months to a year
modify by age sex - Sources of callus - blood
necessary comes from - it not necessary to have
periosteum - men saw off piece because it is
gone, though it is the chief agent may get blood
from bone itself lacerated soft parts and but point
provisional callus is always taken up - occasionally
callus is left from want of power in absorb
sometimes necessary to remove the callus by an
operation - in flat bone union different
rarely have in them anything but dense ligament
occasionally have call specific union

Bones are sometimes weaker and sometimes
stronger - generally as strong if fracture

recur through nutritious foramen - for the obvious reason that the arterial blood is cut off.

Local an principles - 1st careful how you movement may cause his death more in horizontal position - 2 - setting sometimes very difficult - mechanical measure are of tendon counter extension and coaptation - the ex and counter ex must pull in line of displace and force equal and steady - coapt is in accurate adjustment of bone after the bone is set by the natural proneness on bone spasm of muscle with resist must overcome this but patient on ether bleeding open - and closed in water around limb - In compound fracture, never cut off the end of limb for sometime if can't succeed saw - occasional the end of bone goes through belly of muscles if can't get out divide in Comp - but in simple fracture subcutaneous section -

3 - Indication - rest most important position Calculated to favor union Bandages and Splints which in modern surgery have been much simplified only two kind Bandage from Strip Band the two strips overlapping each other used in compound fracture. & Rollers Splints vast majority made of wood never use pear wood, formerly were iron and steel hardly ever employed except to overcome muscular contract very good splint felt splint dipped in shallac gutta percha gutta serena used in fractures about the joint & saturated solution shallac and Cloth dipped in it within course of time become as hard as gutta percha, the splint is never to be applied directly to skin but always a soft pad between two thin cushion material held in compress perforated always use this or with have stronging

Causes of displacement.

1. External violence, either direct or indirect.
2. Weight of the body in falling.
3. Weight of the limb.
4. Muscular contraction. Refer to Boyer's remarks on the influence of the different sets of muscles attached to the fragments. When the muscles are paralyzed by the blow, there is often no displacement of the fragments. Nor is displacement invariably present, even when the muscles retain their power. State the cause of this.

The fourth division is based upon the degree of injury done to the parts around the fracture, and to the bone itself. Thus we have—

- a. Simple fracture.
- b. Compound or open fracture.
- c. Complicated fracture.
- d. Comminuted fracture.

Symptoms of fracture.—1. Rational or physiological. 2. Sensible or physical. First or rational signs.

- a. Pain.
- b. Numbness.
- c. Loss of voluntary motion.
- d. Occasional constitutional disturbance.

These symptoms are never to be relied on, as they are present in other injuries. Second, or physical signs.

- a. Change in natural form of limb.
- b. Unnatural mobility of the part at the seat of fracture.
- c. Change in the length of the limb.
- d. Crepitus.

These symptoms are more to be relied on; yet it must be recollected that change in the natural form and length of a limb are present in luxations and sprains, and that crepitus may be occasioned by inspissation of the synovial fluid—the riding of one bone upon another in certain luxations—sanguineous tumours—the motion of tendons in their sheaths, and emphysematous collections. It may also be absent in fracture, or very indistinct. Lisfranc in such cases proposes the employment of the stethoscope in our examination.

Diagnosis.—Fractures may be confounded with—1. Luxations. 2. Bent bones. 3. Partial fracture. 4. Sprains. State the characteristics of each.

Prognosis.—Depends on a variety of circumstances. It is modified, for example, by—

- a. The size of the bone.
- b. The number of muscles attached to the fragments.
- c. The seat of fracture.
- d. The relation of the bone to one of the great cavities.
- e. The extent of injury to the soft parts.
- f. The character of the force producing the fracture.
- g. The direction of the fracture.
- h. The age of the patient.
- i. The health of the patient.
- j. The season of the year.
- k. The extremity involved.

- l. The existence of more than one fracture.
- m. The degree of injury to the bone broken.
- n. The existence of a luxation along with the fracture.

The process of the reparation of fractures, or the formation of callus.—Two kinds of callus.

- a. Provisional, or that which serves the purpose of uniting the fragments for a time, and is then removed.
- b. Definitive, or that which unites the fragments permanently.

There are several stages in the organization of callus which deserve attention. We have—

1. The effusion of blood and lymph.
2. The absorption of serum and the coloring matter of the blood, the inspissation of the lymph, and the union of the soft parts.
3. The conversion of the lymph into cartilage, which forms a distinct *pin* in the cavity of the bone, and a *ring* around the seat of fracture.
4. Ossification of the cartilage in the spongy tissue of the bone.
5. Ossification of the cartilage between the compact portion of the fragments.
6. The removal of the provisional callus, and the restoration of the cavity of the bone.

Time required for the formation of definitive callus.—Depends upon a variety of circumstances. Usually in adults, and in large bones, from eight to twelve months are requisite. The limb, however, is useful long before the process is completed.

Agents concerned in the formation of callus.

1. The periosteum. Not essential, though highly important in the formation of bone.
2. The vessels of the adjacent soft parts.
3. The bone itself.
4. The internal periosteum.
5. The absorbents which remove provisional callus and model the bone.

Mode of union in flat bones.

Strength of bones after the fracture is cured.—They are sometimes stronger, at others weaker than natural. The location of the fracture as regards the nutritious arteries, and the activity of absorption, are the modifying agents here.

Treatment.—General indications.

1. The mode of moving patients in severe fractures from the spot at which the injury occurred, is a matter well deserving the attention of the surgeon.
2. As there is usually displacement of the fragments, "*reduction*" or setting will be required. This may be effected by *extension*, *counter-extension*, *relaxation of the muscles*, and *coaptation*. We are often resisted in the accomplishment of this indication by *spasm of the muscles*, *binding of the soft parts*, and *binding of the bones*.—Mode of overcoming these difficulties explained. Value of myodiatomy in these cases discussed.
3. To prevent a recurrence of the displacements, *mechanical means must be applied*, and the part guarded against all motion. This indication is occasioned by the employment of *rest*, *favorable position*, *bandages*, *compresses*, *cushions*, and *various apparatus or dressings*.
4. As inflammatory symptoms may supervene, measures must be taken to prevent their occurrence.

Causes -

1. External violence, attend to kind force. 2. Weight of body bones not much hurt but fall dist. frag. or R were stand - what dire did fall - and part will depend on way fall. 3. wt of limb, pay attent to poset of limb - 4. overcome the action of muscles and retain -

4th direction part -

- a - injury to soft parts -
- b - open flesh
- c - injury large nerves or blood ^{bad}
- d - bones exposed & other

1st Ration

- a - More or less pain
 - b - Numbness
 - c - loss motion under ord. course not always some time - impact fact - not lost
 - d - Man fever after
- Physical
- a. the part some bent - ^{incre} deam
 - b. bend in any direct you chose
 - c. Part short. d. crep - by rubbing excite a sound - never forget
 - (may exist no part any obs)

may be confounded with 1. 3 or 4 ribs
in Lux sup near joint. Cant move
bone any way - Crep. in fact.
2. No time exist between bent bone
and fracture, some say can be
not so - only young bone bent -
rumble fibre of wood - when I
also sap - take 2 and 5 or 6
can occur among any fibres
and prodn. of an im, don't Conf-
but bone disease. Suppose
3. 5 or 6, 13 or 14 instead bone band
or snapp. Partial have
don't break altogether, heal then
in end excess Animal mal
no complete cure occurs
4. Middle age or old. Certainly
apt. cut fract. Acute
from age. Kind fract. diff
but bone and partial, reg
Cure without Op - 2 no more
pain and crep when moving
the hand. One reg cure and
second contrary.
5. Especially if about joint,
injury about joint cant be too
cautious, treat very obscure
joint. As a fracture, treat same
for sprain - take exan
Elbow & wrist

- look pale, falling out hand - twisting
hand - prob. no fract (char Swelling
in Sprain comes on gradually and
comes on pain very peculiar - if
~~comes~~ absence of crep - if Sprain
no crep - look move, first can
move if Sprain not so in fract.
Psoas index - a - large bone
great difficulty, and great risk
deformity. b. These muscles contract
draw up lower frag counteract
c. if in vicinity joint more injur.
d - fract of Coxa danger pressure
on bone - little can repair
fr. frag must driven down and
contusion. only fracture direct up
left part lower
f - many case almost imp to
keep edges together. more oblique
more injur -
h. the younger more prone
i. if have Syphilis no union
until Syphilis treat, some
say pregnancy - prevent
not so.
j - much easier in winter don't
have heat to suffer not
any modifying influ season
K - much easier in upper
extremity than lower

1. as from clavicle's very diff.
Am. if injury with other
in luxation of br

1st Effusion of blood - in
cavity of Bone -

2. have seen Ring, mass Cons
of foiled white of egg - less
coloring matter plasma
based callus

3. cartilage soft nearly
same nucleated Cell

4. red specks white Centre
out side and in green
shown in compact part
bone out in not milder

5. diff. true Callus from common
provisional callus

sometimes nature can't take up
callus known in my - some def
aparts.

1st never out of bone because
no preostium. one chf a fault
that bones give away under by
press - cause only Effusion of
blood organ can be in bone
membran - Contours how we
where the part in from next.

often stronger - as by union of
two bones prev. ~~callus~~ callus
Can't, always such case use
at 3 week whaton more

Hand
1-2
this
plant
prev
center
more
prev
if the
par
8-6
only

Treat. Ought to make the bone unite without any deformity may occur however.

1st Keep bone at rest. Care in moving attend to it. May thrust bone through skin no fixation - hold bone. Slide a pad on. 2nd Extension Counter bc. force applied further from trunk, hand counter, near the trunk, force equal - just above navel. apply bone dis. and engage part with finger. along - don't squeeze - adjust with great care, spasm, put leg down and give pat. either give him opiate or bleeding. take care how bleed. Some place bone. pass besting and divide with, have bones over-lap - only rel. slow give choice.

Handle the part with Bichloride of Mercuric. 5-gr to oz. - 4 - Tincture of opium. In checking this given take care not to bleed - for fear of stopping plastic powers of the blood. 5 - Spasm the best thing known is ether. good anodyne is next best. if pain continues proof that something has been explored wrong - if pain is palatable and throbbing it is proof positive that something wrong, in dressing if the point left out to see and if it be covered painful and cold take off dressing. 7. 8. Simulated mortification - nothing, and only from stasis of circulation - if the

pulsation goes on and aa is right Deep up
the dressing, puncture them but be very careful
not to take off the whole cuticle may have a
ulcer - 9 If suppuration will come on must
let it out can't help it - 10 - If man with
broken bone hardly ever wishes to use the
limb, generally about 8 week wishes to get
up - must support the part or will have
secondary fracture, in some cases Hyems
stimulates the absorbents so much that
that the whole callus and limb broke again
in such cases cannot do anything guard
against them them - 11 - Tell the patient that
he will have this stiffness or he will blame you
use the proper measures to relieve it by stimulus-
ing applications oleaginous lotions &
passive motion - 12 - set except in Compound
fracture - the inflammation and swelling
not notwithstanding - position not so important
to use position in upper extremities as it is
in lower - immovable apparatus - my
old Cileus Trip - a roller bandage
saturated with white of egg dissolved in
alcohol used to envelope the whole
limb - Starch and dextrose now usurps
the place of white of egg, dextrose dries
very rapidly - If determine to treat by the
immovable appa take the splints put
in warm water bandage limb fill up the
inequality with cotton and put on splints
wrap them down and thus make a box
a bad method in consequence of swelling
or producing mortification again band
will get loose some propose to
cut down and lighten can't do so
too hard and gives rise to pain

5. Spasm and pain often occur after dressing, and these symptoms must be relieved by anodynes, cold or warm irrigation, sometimes by changing the dressings, and occasionally by bloodletting. Be careful, however, not to deplete too much, as callus will not be formed unless a certain degree of excitement is allowed to take place in the seat of fracture. *

6. In applying the dressings be careful to protect parts liable to pressure, or that seem chafed or swollen, by *straps, cushions, and proper position*.

7. Carefully inspect the dressings daily, but do not disturb them so long as they are steady and properly adjusted.

8. When phlyctenæ form, carefully puncture them with a needle, but do not allow the cuticle to be removed.

9. Should superficial or deep-seated suppuration ensue, it must be treated on principles already laid down.

10. During convalescence the patient requires strict attention in order to prevent the occurrence of "secondary fracture."

11. After callus is formed, the parts, especially the joints, remain rigid. The indication here is to relax this rigidity by *friction, passive motion, warm douche, vapour bath, electricity and galvanism*.

12. Finally, set the fracture as soon as possible. Do not wait, as some advise, until swelling and inflammation have occurred and subsided.

B General methods of treatment :

1. That in which the limb is kept extended in the *horizontal position*.
 2. That in which it is maintained in the *semiflexed position*.
 3. That in which it is encased in some *unyielding and permanent* dressing, as the "starch bandage," or plaster mould. This dressing is sometimes called the "*immovable apparatus*."

4. That in which the limb is *suspended*. This method is technically called "*hyponarthecia*." It originated with Sauter and Mayor.

5. That in which the dressing is composed of handkerchiefs, variously folded. This method, from having been introduced by Mayor, is called "*Mayor's handkerchief system*."

6. That in which the ordinary splints and bandages are employed.

Review of these different methods.

COMPOUND FRACTURES.

Definition.

Causes.—1. The fragments of bone may be driven through the skin.

2. The integuments may be wounded by the body causing the fracture.

3. Sloughing may open the integuments.

4. An abscess may form and open.

5. Finally, pressure upon some projecting point may cause its ulceration.

Dangers.—1. Immediate shock to the system, from injury to the nerves, or from loss of blood.

2. Inflammation and fever.

3. Hectic fever.

4. Tetanus.

Question of amputation.—When called to a case of compound fracture, we are first to determine between the propriety of amputation, and an attempt to save the limb. No fixed rules in regard to this operation can be laid down, but we must take into consideration several points.

1. The age of the patient.
2. His constitution.
3. His habits.
4. His position in society.
5. His means of obtaining proper nursing, food, &c., during the treatment, if we attempt to save the leg.
6. The season of the year.
7. Atmospheric peculiarities.

Circumstances supposed to warrant amputation.

1. When the injury done to the soft parts and bones is such as to warrant the impression that gangrene will inevitably ensue.
2. Where, along with the fracture, a portion of the limb is torn off, as we see in wounds inflicted by machinery, cannon shot, &c.
3. Where the soft parts are extensively stripped off.
4. Where the fracture extends into a larger joint.
5. Where the bone is broken in several places, and the soft parts extensively injured.
6. Where the fracture is complicated with laceration of large bloodvessels and nerves.

Before resorting to amputation, even under these circumstances, weigh well its dangers.

Time at which amputation should be performed.—Difference of opinion among surgeons on this point; some preferring *immediate*, others *secondary* amputation. It would appear from the reports that in *civil* practice the latter method has been most successful, while in *military*, the former is most to be relied on. Many cases, however, admit of no delay, even in *civil* practice, and the surgeon must let experience determine the course to be pursued. Never operate until reaction to a certain degree has taken place.

Treatment where it is determined to attempt the cure of the injury without amputation.

1. *When the injury of the soft parts is comparatively slight.* Here we must close the wound at once by straps, the bandage, lint soaked in blood, or lint covered with oil-silk; apply splints, or the proper dressings, and treat the case like one of simple fracture.

2. *When the injury of the soft parts is more extensive, and the bones protrude and overlap, and cannot readily be reduced.* Here divide the soft parts, pick away any loose pieces of bone, and, if necessary, saw off the ends of the bone. Then apply a *loose* bandage of strips, place the limb on a pillow in a fracture box, or upon a carved splint, and use irrigation with cold water if the weather is warm; or, if the accident occur in winter, we may use the warm water dressing or a poultice. It is in this form, also, that the *bran* dressing of Dr. J. R. Barton is so useful. *Constitutional* symptoms are to be prescribed for.

3. When, in spite of all our efforts to prevent it, *profuse suppuration* takes place, we must give free vent to the pus, and support the constitution.

4. After the subsidence of *swelling*, *suppuration* and *severe pain*, treat the case like a simple fracture, with splints and bandages.

5. Where our remedies fail to relieve, and *mortification* sets in, we must amputate if possible.

Indication page 38

1. Moving.

2 Extension and counter extension always = muscular spasm - do not pull against when can't reduce in this way. Use ether. Bleeding Lobacca and thus relax whole system. Binding of soft parts resort to every thing before using Knife divide the band by subcutaneous section. Binding of bones - the wedging of fractured bones. Saw off the ~~by~~ end of bone and tell patient that limb will be shortened.

Third Indication. To prevent recurrence of displacement. If constitutional disturb - if have fever don't bleed if can possibly avoid, as we thus remove the plasma, and even non union - reduce by neutral mixture, tart Ant, peng, dust him - 5. Spasm & pain * best thing is ether to relieve pain. or Opie until spasm is arrested - 100 drops of Laud. - simply altering position of muscles.

6. Interpose cushions with hair best if over disturb bandage so long as it holds and patient can bear it.

8. phlegm - leg or limb will be black and blue and vessels look at general condition. puncture and be careful not to tear off the cuticle, and apply arnica and water on limb

9. In sup- let out just as Thomas can
 10. Oliver let patient use limb too
 much the calens being soft is
 absorbed by stimulus of exercise
 use then a protecting splint 11.
 perform passive motion at
 first dressing bend all joints
 when partial stiff wound baks
 12. get as soon as possible

B. 1. Inconvenient in fractures
 of upper extremity 2. Will not
 apply always. But often is
 indicated. 3. very old, very improper
 except during convalescence 1 object
 2, cant see and 2 - dont support
 on acct of shrinking. 4. Suspended.
 nonsense. 5. So all fractures is shrinking
 very good sometimes. 6. Only general
 method is proper to employ

Compound fract.

Difference between Comp fracture by ulcer
 and one where made byrust or bone
 as granulations follow the ulcer and
 thus stops the access air 4. abscess,
 the granulations are flabby and fail
 to unite and thus gives the worst
 kind of Comp fract

Dangers. 1. shock on nervous
 system and owing to size of
 bone re - may die in Comp fract
 of thigh from this alone

2. Form Inf. & Fever when pain
is red and glairy fluid, and must
use most active constitutionally
run risk of non union, bone
in order to keep down fever & keep
from Imp Fract. - 3. Ectopic
patient in great danger - can't
remove it except by amputation
nearly always - try diff. then -
and local Const. - Act. Ant. if
can't do it cut off limb -
4. Tetanus, look for it early - in
about 3 day - if wound won't
heal and much anox. shock
danger utans - Sym p - pain in
epigastrium - spasm muscles on
throat and convulsions, give
Op.ii ad libitum - 4. Op.ii
If touch gums with
genually, save his life
than begin with mercury
99 out of hundred will die in
spite of every thing - Again
Secondary hemorrhage -
don't tie up artery - seek if
possible for bleeding vessel
pass ~~several~~ finger of feel pulse
and open with knife and
tie up - if this can't be done
use styptics and compression
lint in powdered resin and
tied on with bandage - If all
fail must tie up main art
but if mort comes on

amp as soon as possible. Exp-
question asked by Doct in these
fact - Amp - Guest - 1st age
young recover better than old -
if child young man, healthy
adult - there great prob of saving
if 4d generally better to amp
2 - If have syphilis - scrofula
sleeky constitution, must run
risk of. 3. If accidental gutta
drunkard - with generally fair
must cut off limb is his best
change - 4th. If can obtain attent
try save limb - better to amp -
6. If sun hot - and lower ext
serious comp - and if have other
things - Against him better to cut off
pus guy - Circum wounding
amp - where have every one
fav. in Comp fact of thigh
endeavor to save limb - but guard
prog - for 99 ch against - having
decided to amp when take
best to do it as soon as the
reaction has come on - give
stimulant cheerful conversation
etc - when pulse gets up - the
operate. give Anesthetic - in ap -
If Endeavor to Save Limb
ptd 2nd - convert Amp in Supp
fact - Close wound - put lint
over wound and paint over
with Collodion -

2 ways of dressing a fracture -
place limb in prop. position
In. Camp part of lgt. Comm.
box sides at out put a pillow
on cover with oiled silk and
putting leg on top up by sides
and two feet to feet board and
support heel (for clune box &
pillow) to stop inflam keep
wet limb dont let fever
come on - If camp with swelling
after ~~rest~~ dressing use band of
strips used only when subtle
and in Camp fracture. Another
is bran dressing Rag Band
here cover up with foam and
wedge it in. also catches the
fluids and the swelling with
compress - the limb. In course
of ten days to remove bran - put
touch limb - have 2 assist steady
of limb. gradually move limb
from one side and interspersing
clean - then on other side when
would close swelling go down the
bones ~~and white~~ Change
dressing - and change of
limb - will obviate bed sores -
Mortification does set in but
off invariably

Irregular Callus

Causes - giving unite with deformity
Sometimes bent sometimes complicated
Before answer question.

1st in most if injury be recent can
remedy - longer time - more important
2nd If can use limb without pain
let alone - unless recent, if pain
of limb be dist or destroyed or too
to perform the oper, resection when
needed sometime.

3rd Be cautious in bone if thigh
but if humerus fair prognosis

4. Larger more important

5. Age young better

6. If function body destroyed,
don't touch him till get body
in good condition

7. In summer, heat gives
great uneasiness

8. Suppose bone has disease or dam
let bone heal till bone sound

Means how remove

1st depends of on duration
of injury - can cure case
readily, always in 6th weeks

Don't resect until try compounds - put
in box to suit case.

2nd Some seton instead of healing
will excite deposit - never use it

3rd Rupture! attempt where both
bones are joint twisted only in hand

Character of the callus in compound fracture and the agents employed in its formation.

COMPLICATED FRACTURE.

Definition.

Causes.—The fragments may be thrust through large vessels, or nerves, or into joints: or the force producing the fracture may cause their injury, or occasion luxation.

Dangers.—1. Immediate shock to the system from loss of blood, or injury of the nerves. 2. Sloughing from infiltration of blood and serum. 3. Mortification from loss of nervous influence. 4. Permanent paralysis of the limb. 5. Phlebitis. 6. Hectic fever. 7. Tetanus.

Question of amputation.—No general rules can be laid down, but the circumstances already stated as modifying our treatment of compound fracture, should always be taken into consideration here.

Treatment.—Varies with the complication.

1. Where we have profuse hemorrhage from a wounded vein. Bleed, apply cold, and pressure, and afterwards frictions and pressure, to cause the absorption of the blood; occasionally a ligature will be required. Be careful to prevent phlebitis.

2. When we have hemorrhage from a large artery, characterized, where there is no external wound, by a tumour pulsating at first, apply a ligature *above* the tumour, and do not as a general rule open the integuments and seek for the artery as advised by Boyer. When the collection of blood is so great as to threaten sloughing, then open the tumour, evacuate the blood and tie the vessels. When a wound in the integument exists, we may sometimes dilate it, and thus tie the artery above and below.

3. When a large nerve is torn across, which is manifested by paralysis, numbness, pain and spasm of the limb, we must bleed, place the part at rest, apply leeches, cold or hot applications, and give anodynes.

4. In comminuted fracture, complicated with a wound in the integuments. We must take away splinters, *provided* they are not attached to the soft parts. Close the wound and treat it like a bad compound fracture. When the bone is crushed to pieces, it will generally be proper to amputate.

5. When a luxation complicates the fracture, always protect the fracture by some firm dressings, then reduce the luxation as speedily as possible, and afterwards set the fracture and treat it according to the rules laid down.

6. When the fracture extends into a joint, we have to fear intense inflammation, and must treat the case accordingly.

7. When mortification takes place amputate.

8. When tetanus supervenes treat it in the usual manner.

IRREGULAR CALLUS, OR FRACTURE UNITING WITH DEFORMITY.

Causes.—Usually, neglect or bad treatment of the case, or the wilfulness of the patient, are the immediate causes of deformity.

Question of the propriety of interference in these cases.—Many points must be considered before the operation is undertaken.

1. The duration of the injury.

2. The degree of functional injury resulting from the deformity.

3. The practicability of relieving the deformity without endangering the life of the patient.

4. The size and location of the injury.

5. The age of the patient.

6. The health of the patient.

7. The season of the year.

8. The existence or not of disease of the soft parts or of the bone itself.

Means employed to remove the deformity.—These vary with the duration of the injury.

1. *Pressure and extension of the limb.*—When called to a badly set fracture, within the first *sixty* days after its occurrence, or while the callus is yet yielding, we may often succeed in restoring the limb by well regulated *pressure and extension of the limb*. Cases are reported by Dupuytren and others, in which these measures have succeeded even after the lapse of the 120th day from the receipt of the injury.

2. *The seton.*—In these cases Wienhold proposes the introduction of a *seton*, which by causing suppuration would break down the callus.

3. *Rupture of the callus.*—If more than sixty or seventy days have elapsed before we are called, as a *general rule rupture of the callus* will prove more useful than any attempts to mould it into proper shape. This is an old operation, and has been recently revived by Cæsterlen, Richerand, Dupuytren and others.

1. *Cases to which it is applicable.*

2. *Dangers of this operation.*

3. *Preparation of the patient.*

4. *Mode of rupturing the callus.*

5. *After treatment.*

4. *Resection of Bone.*—In cases of long standing, where the bones overlap, and are firmly bound to each other, *pressure*, the *seton*, and *refracture*, will all fail to afford relief, and we must then resort to "*resection of the bones.*"

Dangers of this operation.

Preparation of the patient.

Mode of performing the operation.

After treatment.

5. *Removal of exuberant callus.*—When *spiculæ* or ledges of bone are thrown out around the seat of fracture, and interfere with the motion of its parts, or occasion pain, we may, after waiting a few months for the efforts of nature, cut down upon them and remove them with the knife or saw. (See cases of this deformity reported by Alcock, Velpeau, Dawson, and myself.)

PSEUDARTHROSIS, FALSE-JOINT, OR NON-UNION.

Definition.

Frequency of the defect.

Varieties.—1. Where the fragments are united by *soft callus*. 2. Where the fragments are united by a *ligamentous band or bands*. 3. Where the fragments are united by *cellular tissue* alone. 4. Where a *sort of joint* is established. The bones being rounded off, tipped with cartilage, covered by a synovial membrane, and held together by a capsular ligament. Very rare.

Causes.—1. Constitutional. 2. Local.

First, or constitutional.

- a. Syphilis.
- b. Pregnancy and suckling.
- c. Fevers of different kinds.
- d. Cancer.
- e. Fragilitas ossium.
- f. Scurvy.
- g. General impoverishment of the system.
- h. Paralysis.
- i. Deficient supply of arterial blood.
- j. Advanced age.

Second, or local.

- a. Frequent motion of the fragments.
- b. Separation of the fragments.
- c. Disease of the fragments.
- d. Interposition of foreign bodies between the fragments.
- e. Tight bandaging.
- f. The long continued use of cooling applications.
- g. The too early use of a fractured limb.
- h. Division or stripping off of the periosteum.
- i. Want of cellular tissue.

*Symptoms.**Diagnosis.**Prognosis.**Object of treatment.*

Treatment.—Various methods have been introduced.

- 1. Simply keeping the parts in splints for several months.
- 2. Friction.
- 3. Compression.
- 4. The application of caustic alkali to the integuments over the seat of fracture.
- 5. The introduction of a heated canula between the bones. Proposed by Mayor.
- 6. The seton—proposed by Dr. Physick. Modification of this agent by Rhynd.
- 7. Escharotics applied to the ends of the bones.
- 8. Removal of the extremities of the fragments.
- 9. Section of ligamentous union.
- 10. Section of muscles attached to the fragments, coaptation, and friction or pressure. Proposed by Dieffenbach, in false joint of the olecranon, patella, &c.
- 11. Acupuncture.
- 12. Electricity.
- 13. Blisters.
- 14. The use of iodine or mercury.
- 15. The metallic ligature of Sommé.
- 16. The actual cautery. Employed by Kirkbride and others.
- 17. The introduction of ivory pegs.—(Dieffenbach.)

DIASTASIS OR SEPARATION OF EPIPHYSES.

Definition.

Age at which the accident occurs.—Varies in different individuals. May take place at any age previous to that at which the epiphyses become attached by bone. This generally occurs before puberty.

Causes.—Violence or muscular contraction.

Symptoms.—Obscure. Unnatural mobility at the seat of the epiphysis is the most important sign.

Diagnosis.—May be confounded with *fracture* or *luxation*.

Prognosis.—The injury, if properly managed, rarely results in deformity; if neglected, the person is almost sure to be crippled.

Treatment.—Depends of course on the seat of the lesion. The general indications are nearly the same with those laid down for our guidance in the treatment of fracture.

PARTICULAR FRACTURES.

I. NASAL BONES.

Liability.

Causes.

Varieties.

Complications.—Concussion of brain; emphysema; injury of lachrymal duct and canal; fracture of cribriform plate; inflammation, and caries or necrosis of the bone.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

II. MALAR BONES.

Page 132

a *Liability.*—This accident is very rare.

b *Causes.*

c *Varieties.*

d *Complications.*

e *Symptoms.*

f *Diagnosis.*

g *Prognosis.*

h *Treatment.*

III. SUPERIOR MAXILLARY BONES.

Liability.

Causes.

Varieties.

Complications.

Diagnosis.

Prognosis.

Symptoms.

Treatment.

IV. INFERIOR MAXILLARY.

Liability.

Causes.

Parts most liable to fracture.

Varieties.

Complications.

Symptoms of each of the fractures of this bone.

Diagnosis.

Prognosis.

Treatment.—Depends on the seat of fracture.

V. OS HYOIDES.

Liability.

Causes.

Varieties.

Complications.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VI. THYROID CARTILAGE.

Liability.

Causes.

Varieties.

Complications.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VII. STERNUM

Liability.

Causes.

Varieties.

Complications.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VIII. RIBS.

Liability.

Ribs most frequently broken.

Parts of the bone most liable to fracture.

Causes.—External violence. Muscular contraction, as in coughing.

Varieties.

Complications.—Hemoptysis, emphysema, pleuritis, empyema.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IX. CLAVICLE.

a *Liability.*—Its shape, size, texture, exposed situation, and function, render this bone liable to fracture. *incudung*

b *Parts usually broken.*

Causes.—Direct or indirect violence.

Varieties.—Complete, incomplete, simple, &c.

Complications.—Paralysis of arm, injury of axillary plexus and vessels. (Earle.)

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Various dressings employed to carry out the three indications of Desault. 1. Desault's bandage. 2. Boyer's bandage. 3. Mayor's handkerchiefs. 4. Fox's Apparatus. 5. Brown's bandage. 6. Dr. Reynell Coates' bandage. 7. Hiester's dressing. 8. Sir A. Cooper's.

X. SCAPULA.

Liability—Its site and mobility protect it in a great measure from fracture.

Parts most liable to fracture—1. Acromion process. 2. Inferior angle. 3. Body of the bone. 4. The coracoid process. 5. The spine. 6. The neck.

Causes.

Varieties.

Complications.

Symptoms.—Depend on part broken.

Diagnosis.—Depends on part broken.

Prognosis.—Depends on part broken.

Treatment.—Varies with the seat of injury.

XI. HUMERUS.

Liability.—According to Longsdale, fractures of this bone are proportionately less frequent than is usually supposed—about one-sixteenth of all fractures.

Ages at which it usually occurs.—Childhood and old age.

Parts of the bone liable to fracture.—1. The head. 2. The anatomical neck. 3. The surgical neck. 4. The epiphysis. 5. The shaft. 6. The condyles.

Causes.—Muscular contraction, direct and indirect violence.

Varieties.

sup more clasp either reset or break
again. and setting poor - If health
good. break - If make any prob
use aspirant. Take fore arm
and draw over knee never do
it. after 4 or 5 months. in old cases
must reset - Oper of reset
dis - If cart - an edis always cut off
the top.

5 - Sometimes give us a cystic
tumor, very some give most int
pain - Oper saw rasp or clip no am
false joint

6 - 1st begins as blood and combat
into cart ossification fails, patient
are very - perfect folly to endeavor
to cure. 2nd In patella as a thin
caper or lig - Joint injured and
crippled. 4th See in old people
blood thrown out not a cartilage -
only in cellular tissue

4. Bones resting one on other, whole
resumed system establish
top cart, and head formed
and lower mounted cups
Dysp - very plain no voluntary
power but great mobility this case
where cellular tissue - Ball socket
motion reset - and with in large
in lig no cart -

Prognosis - Don't be too certain - a false
joint any where most tedious unless the
patient will submit to treatment

Treatment - all methods intended to
excite a new action and throw out plasma
most open in this way.

1st very good be imposed - perfect
but nearly always cure if case recent
2nd after having Ribs don't get hard
and stiff. take hold upper part and
rib. reason -

3. don't want tight lateral, want
compressed squeezing in bone
excite, only recent can be allayed
by these when the part use some
force lay open and use caustic
as confidence - see. another a
bathed canula, will kill the part
of Bist the sealer, introduced by
long needle pass take between and
bone - Can't do it in Ball & Scap
Chin in collar - must imp. long
one pass don't take out, until parts
get hard, all give great credit.

7. Turn out ends one cut off and
touch both each - sometimes sucked

8. if limb useless limb do it
if can get along case won't
let be sometimes part

Pass over some

17. In Bone fracture body given
dense Calves - lay open over a
hole put in plug of Jony - and take
the rays with wire - One always

Proceed -

Diastasis frequent comp - with base
nasal bones -

Always force directly opposite
imp - because always nearly causes
displacement - sometimes with not
fracture, arch only on side - no
diff if called immediately -
on acc of swelling - and filled
from air in cellular tissue - felt
along bridge of nose - have pain
numor and great swelling -
Comp - being - If fract made mainly
in course short time become Comatose
have all symp - of brain compression -
of brain by the Crista Galli - often
stunned, may happen without
any very serious, always immediately
complicate diagnosis - great swelling
innumerable crackles under pressure
indicates, Schneiderian Membrane
torn across - often have fragments
driven ~~under~~ into ductum and
Nasi - purpura - is here very rare
Sometimes Caries and Necrosis
will come only one thing often
occurs and mistake for fract
the displacement of cartilage
Treat - simple without any
comp - as new place plug
into each nostril to stop
bleeding when hemorrhage

cease take away - if Kellom
held him - Suppose pay ment
driven down - put quite up
and gently ad just them by
finger out side - treat anti sh
sup broken in to pay - of bones
detached from peristern, if
not let them alone - put in very
elevate, supp have emphysema -
take battery and puncture
the tumor in some place where
can't be seen

Malas bone -

very rare only occur direct force
of simple not much swell
feel - If great have bone
centre of cheek dragged down
by malocclusion - but common band
band - in Comp - put finger
and thumb, and push in below
till by continuity of orbit
Super Max

Sometimes occur on inferior
portion - and can be torn open
only by button or cane - pass
fig between cheek bone - way
of dental arch - if no
displace put on band - if
comp - push jaw up - and
keep lower jaw - if no
tissue put cork into very

is an inflamed anti phlegm
but bone if teeth be loose don't
pull out espce - if membrane
jaws be not torn.

Infer max - very different
may be frac different type and
ang - in cor and cer - and
in young sub in sym -

If have mult fracture - in two
places. between ang and canines
and on each side. Sym

Sym displaced - pain lower
and irreg by arch with great
secretion of fracture. Seat by.
Simple fracture, occur
between Sym and angle

1st look kind of fract over come
action of muscles - or have deform-
must push up lower and let
unite - either with simple roller
or quart bar - may have
should - mould to fit should
go to assist jaw don't use
brackets make cup -

put a piece of cork if teeth
dropt if loose push down
to let unite

2 - Oppose Comp - fract - Sub
Narrow and base - must have
a perp splint - by some way
go up to zygomatic

Condyle

- 3 - ~~Lower~~ if open mouth strike
chuck - in front ear have a process
bone - and up - pass through up
and low station. pain soon and
no creep - must act on lower
push jaw forwards and later
put behind pass a firm compound
behind and hold lower free
4 - Crowned no as place - turn
of limb mus - put rest and
apply double sling -

- 5 - Set at Lymph take a
strip of adhesive plaster
and pull from angle forward
and double sling -

If hemorrhage, just as soon
as put fragment together
hemorrhage will cease
unless have compound
Comp - if open and set at
place - and just as well as
possible - don't take away
the unless able to - necessary -
find very useful till the teeth

HEAD OF HUMERUS.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

ANATOMICAL NECK.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

SURGICAL NECK.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

SEPARATION OF THE EPIPHYSES.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

SHAFT ABOVE INSERTION OF DELTOID.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

SHAFT AT ITS MIDDLE.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

SHAFT ABOVE CONDYLES.

Liability.
Causes.
Variety.
Signs.
Diagnosis.
Prognosis.
Treatment.

CONDYLES.

Liability.
Causes.
Variety.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XII. BONES OF THE FORE-ARM.

Liability.—More frequently broken than the humerus—one-fifth of all fractures.

Bones involved.—One or both may be broken. The radius is most liable, from its connexion with the wrist.

Causes.
Varieties.

BOTH BONES.

Parts generally broken.
Causes.
Variety.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF RADIUS ALONE.

Liability.—Very common.
Causes.
Variety.
Parts usually broken.—Head, neck, shaft, or inferior extremity.
Symptoms of each.
Diagnosis.
Prognosis.
Treatment.

Thyroid - is almost a cart in
young - but finally becomes - hard
is a man sized throat - many
occasions - Supp - great danger
swelling in -
Synch - obvious - after Choke
upon - pain - almost suff
great - recognition - if sing - pass
your finger to root tongue draw
the base tongue bring pass
in situ - danger of acute inf
edema - generally comes on
if can't bring pass back take
a tracheotomy - and insert in
integ - and bring pass out
if no pain let be - all
great ante.

Thyroid - in young
never broken, often in old age
inflam set in almost in
throat by acute phleg - and (mod)
put in hook if don't model
with finger - open cartilage
if suff.

Sternum - not
very liable - Not has been seen
broken by direct or by muse
Sometimes driven down to
interfere with action heart
no diff - any in recognition
where perp - more obscure
if compress with quilt -

trick upon on kind of obliquity
or transverse kind by turning as
right as can be - apt
to take on inflammation. as soon
as dress prevents by inflaming
if pain oper. If we
have also dislocation -
set it. Sometimes make
deep incision - and then
press down low force -
and when sup. being in
the other. If cant set
and patient can breathe
well let alone - if water
with heart set by plugging
with tinaculas, if cant
succeed - cut down and
med. and pry out bone
use broad iron and antea.

Rubs depend on
kind force, as ext. dist.
out of in mid. disloc.
* Sym. acute. Laceration pain
crip. Cough if lung lacerated
bloody expectorations. In
but few ops. cant distinguish
crip. Conf. by musc. cruse
that same. Rndlet loose
disloc. of frag in length
of bone. where on an crushed
by a weight falling on him
if disloc. inward a bit - all
went made to look en

Arm - lung also wound - if
an hour - find pushed up
emphysema - increased
diff of case - great bleed
if lung wound - and scapula
bone - near by Rnd ribs and
amount of hem -

Poor - I am sometimes -
Laceration of int cost art -
Simple - if crep beam put into
round chest - purge - was diet
opiate to stop cough - Anti -
Sub Cut ends bone down
bleed - bring - press - make
patient dub with. Stop the
hemor - and stop - give
dig - opium - if can't get
bone this way - take tin
and draw out as far from
seat of fract as possible -
if have Emphy - pump in
skin and press out air
untill oozes out - the more
is run water out - when
simple - treat blood - open
dig - if comp fract - don't
allow hem - compress out
take soft linen take, shove
it in chest to make pouch
press in cloth and pull out
now get pulc out cotton.

new dress, Limp ad
if disp - out put on a
compress Comp of Emp
and inf that second -
dyspnea consump put
two twice past board and
soft - place it over and
bind - put it on with the
ruler held evenly on open
- Clavicle -

Soon sig - the very liable
Cans direct or ind - if direct
have frag down down - when
indirect simple prob - prob
in kind - if direct numb, an
but and give rise swelling may
have - par - of dim more
of Comp - prob - is par
in far as deform may be -
no app - in vent - if care
may - always success -
one to one, may occur
deformity. sternal don't
move humer drag down
weight arm - as disc
thru - pec - and Car
draw arm in - slight
cut up ward - by work
scap - Treat only 3
work - disant

Shave above delt muscle
higher up the up pass - put in
lower the, partial round displays
put the angular splint base
down - and roller band from
hand up - (See Eys physics
up to 10 or 12 - no ossif union
a very differ deformity - very
diff. diagnosis - Good direct
sym. at n. short - carried out
and back slight. Just below
acrom. process a round smooth
tumor - no respiration, a creaking
sound - Just below acromion
a depression -

Prognosis - sometimes favor
rarely have to joint - treat by
the same splint neck
able to be in partial contact
always treat occurs separ
of tubercle sometimes turn off
from 1st an increase in app
breadth of shoulder - does
not destroy motion, if perf.
of ligament - can't move it
itself. If pass finger up
come on a preternatural
tumor above traps muscle
movable. Treat
Shave middle usual
prob. Ann short diameter in

International Morse Cryptus, Treat
as a fracture of Neck - Will
to paralyze - muscles use
angular Splin - May in 2 or 3
weeks substitute a curved Spl

Shaft above Cond

Run Shaft along lower ext
packed tumor before and behind
Spondyliform in lux - Put patient
in chair, and put arm across
knee and bend after making
ext and count - when wrist bone
arm have crep - Treat use
Lang - Splin 1 and one bend
in front Rub - 3 week put off and
fin arm shaft - begin with
passive motion at 5th week strain

Condyles

May be on one side or through centre
fore direct app - Sometimes 2 fore
Round of Dya - a prominent pad
and app for prominence - Treat Ext
and counter, Ext pull away Elec power
and apply ~~later~~ later, be fin when
at hand apply to shoulder and lay
hand flat take two ang splin pad
upon where press is made - RepR
the neck Commence ang splin
and get arm straight 6 weeks
go back again ought to be
well straight

FRACTURE OF ULNA ALONE.

Liability.

Causes.

Variety.

Parts usually broken.—Shaft, extremities, coronoid process, olecranon process.

Signs of each.

Diagnosis.

Prognosis.

Treatment.

XIII. CARPAL BONES.

Liability.

Causes.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XIV. METACARPAL BONES.

Liability.

Causes.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XV. PHALANGEAL BONES.

Liability.

Causes.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XVI. SACRUM.

Liability.

Causes.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XVII. OS COCCYGIS.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XVIII. OS INNOMINATUM.

Liability.
Causes.
Situation of fracture.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XIX. FEMUR.

Importance of the fractures of this bone.
Liability.
Causes.
Varieties.
Parts usually broken.—Head, neck, trochanters, shaft, and condyles.

FRACTURE OF THE HEAD.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF THE CERVIX WITHIN THE CAPSULAR LIGAMENT.

Liability.
Causes.
Age most liable.
Sex most liable.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

Torax - when by direct or
muscula one more handle Radius
both may be broken in one plane
or diff - In an complete cases
no diff in direction - if in diff
plane not easy diagnosis
pass finger and inches of pain deep
or poor Assessing spine - 2 Spl
padded from front to sep - broken
bones - long - to hand - flex
arm - Ext and even put arm
between pro and sup in, and keep
~~the~~ roller part compress between
about 2 or 3 weeks rotate gently daily
once bend joint finger above

Sacrum - Thomas J. Dunette.

1844.
Synops - Pain of Munt-deb - if disp - Pay
Swelling of abdomen - arising from rect
and dist blad - Treat simple
Case - to keep pts rest - bind tight
roller around pelvis, and bind
thigh & legs together - must comp
pass - flex thighs and legs on
then sup by a double inc plane
Change pos. as often. If Corp
treat same plane - have nearly
always through - put man on side
if Curvum - pick away all loose
bone gr and against inflam
bent finger - open

don't attempt to replace by putting
hand up rectum, have baralysis
bladder rectum, may be restored.
both urine - pass the catheter,
same rectum, don't open the bowels
for a week empty rectum 2 weeks
space -

MS Cox - This by force & direct
always deep one side or other.
The pieces may be drawn in
into vagina - or - very vexatious
dig - Easy kind path - acute
at end rectum - but being can
move - slight move of leg moves them
little or no coaptation.

Treat. If drawn coaptate
by finger - retain there, by finger
in rectum till swelling great
enough to retain, - If part dis-
rush in place and retain
by compress - If later don't better
Rup by roller, when gets up
don't let him sit on a soft
cushion - As in more
liability - great violence and
cut for more acute than
others, proceed generally
across them - find comp of great
pain more high more, but
hand over place, and move
the thigh and chest up - and
draw by fifth and by press
on - Coast them - Sub pts will

2 part if not treat prop is
sure to produce —

Fract Sanson - a square
plug - draw up - draw down
easy - putting along crest &
I. along all muscles by making
an arch of him, then take and
pull first down carry across
crest and the in pelvic region
put on common band —

Fract Ant Sup Sp - P.
by musc contract, draw from back
less motion depression — relay
mus - on thigh bend trunk as much
as pos - bend frag into straight place
Femur.

Head - given by Wank Stroke
or give dist. wound - Dis Sup Seat
pain up to Abct - by move pain
again by putting the, have each
little or no deformity. Prog in
Sup - for, if young - if Serp
Coxalgia. If do perdon very low
but shortening limb. Excess
hip nat. Intubational ablast. Sometimes
occure without any sup cause - No diff in
Dis. if Comp and Comm pick away the
pieces Treat If Simple Treat White
blops

Len

Fracture Cervex - only one bone
fracture to advanced age, reason
being to change in angle of bone
approach L. Also to ~~form~~ the angular
fracture more acute, and forward
of pelvis. Brought together; Separated more
slight from pyramidal

Symph - Shortening limb - as a general rule
union limb from weight and act on
opposite muscles, An ectopus because the
upper part drawn against muscle fibres
until the limb lengthened - The shaft rotates
as if on a pivot. Deep - Very few -
confounded with luxation, in latter
limb rigid, if place limb in situ when
fractured stays there, often so deformed
because fragments sometimes impacted the
shaft - very diff - only Symp - Intense
pain, and if rotate the thigh inward -
and slight Ectopus in flesh, always
treat as a fracture, and guard -
in all such bone cases.

Prognosis - Be cautious diff if part in the
capsule - very liable to shortening, if patient old
and fleshy and contend deform - in all prob
have short limb - if young - union in all prob
the good cure, osses union rarely occurs
be very cautious. generally have less - Union
very little blood no cellular tissue synovial
fluid difficult to keep fragments together.

Treatment, depend on age - if old - all
can do - make comfort - if young -

We make attempt to give good joint
to old. get a low bedstead, mattress
andacking bottom have double inch pl
and pad them, make comfortable
Rup here two or three weeks - if longer have
bed sore - at end 2nd week take away
boards and have double inch of pillows
and or Reck Strat. Change of position
more; and bring to end of bed
and make sit up - At end 6th week
the ind. 8th week crutches and Rup
for 8 or 10 months - High bed chair

If person young - put same apparatus -
Tract Trochanter
Lumbar - loss motion from trunk take away
and have depress - and stone tumor
the crep - and, must paralyze middle
lateral limb - and put parts in appo -
Rup there by bandage - around pelvis - not
expect long union. Rup in 5 or 6th -
week - usually result in weak limb
Shaft below Troch -

up - pass - up and out Ps. Merg
He - Int. Short limb tumor above and
above limb except - creptus, much
in Tract by act - and - in 2 ways
set one up - pass. by band across
up pass and around, Sometimes Doub
inc plan and tie down;

FRACTURE OF THE CERVIX WITHOUT THE CAPSULAR LIGAMENT, OR PARTLY
WITHIN AND PARTLY WITHOUT.

Liability.
Causes.
Age most liable.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF THE TROCHANTERS.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF THE SHAFT JUST BELOW TROCHANTERS.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF THE SHAFT.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF THE CONDYLES.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XX. PATELLA.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XXI. BONES OF THE LEG.

Liability.
Causes.
Variety.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF FIBULA ALONE.

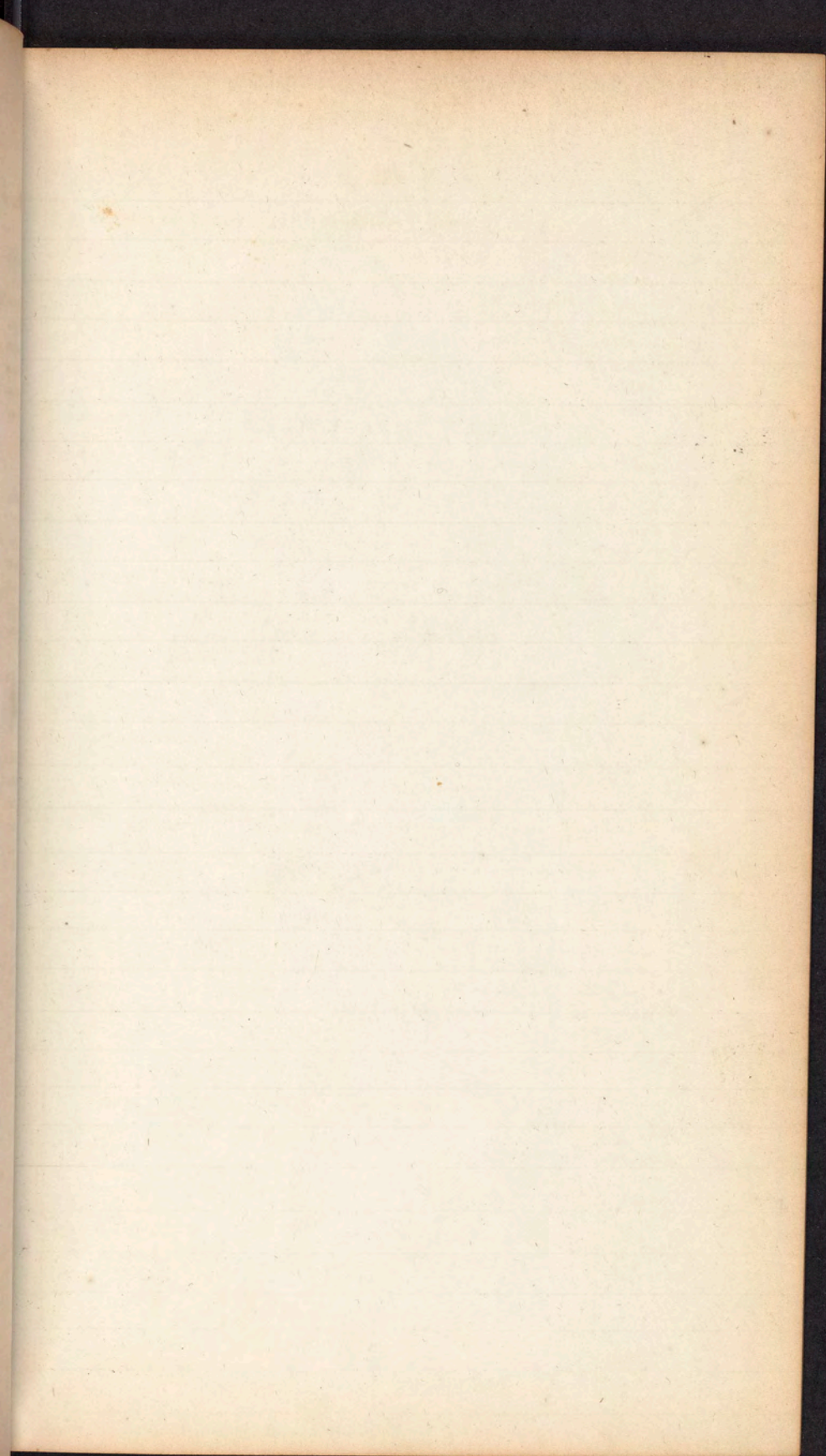
Liability.
Causes.
Varieties.
Part of bone usually broken.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FRACTURE OF TIBIA ALONE.

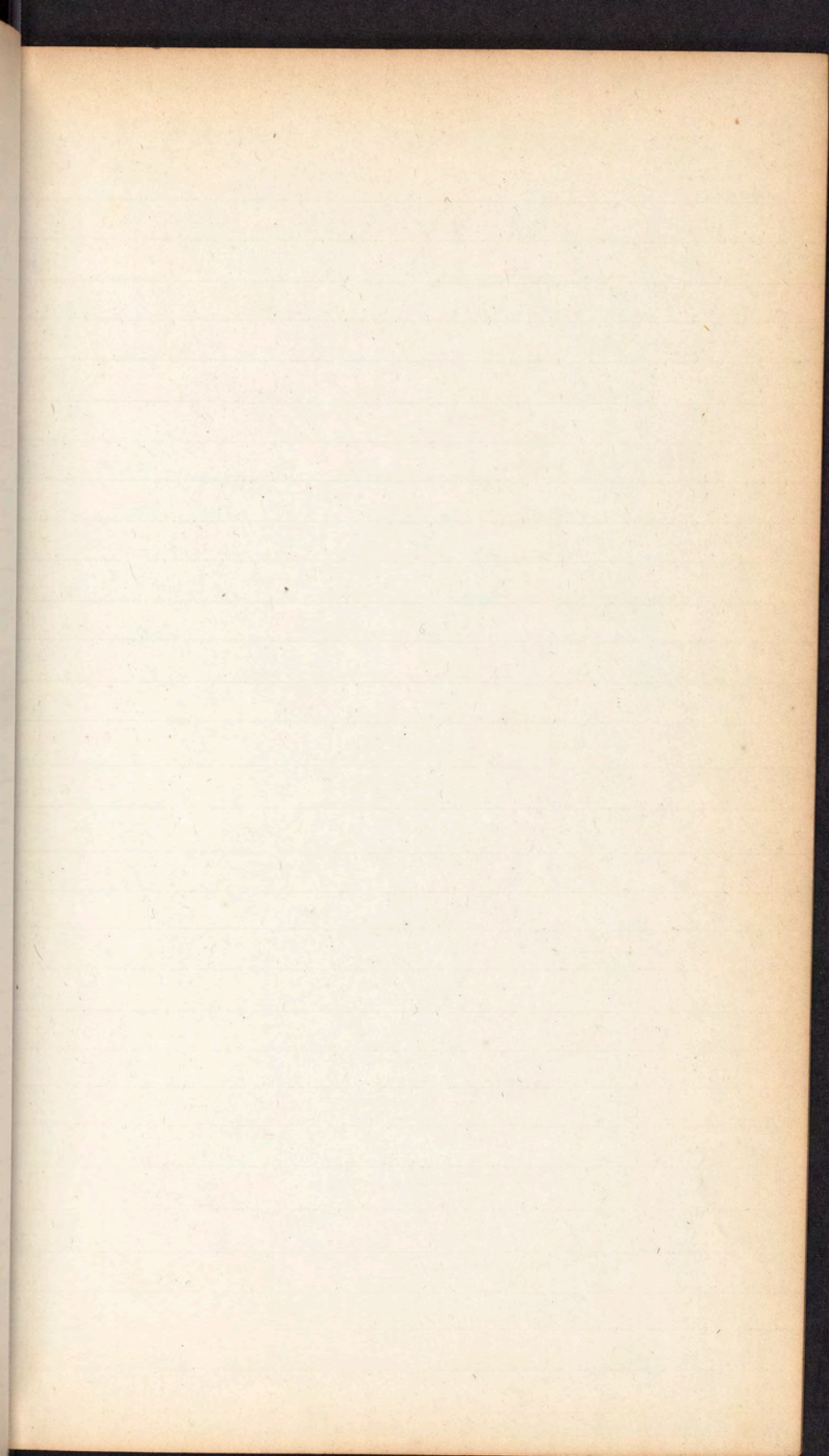
Liability.
Causes.
Varieties.
Part of bone usually broken.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

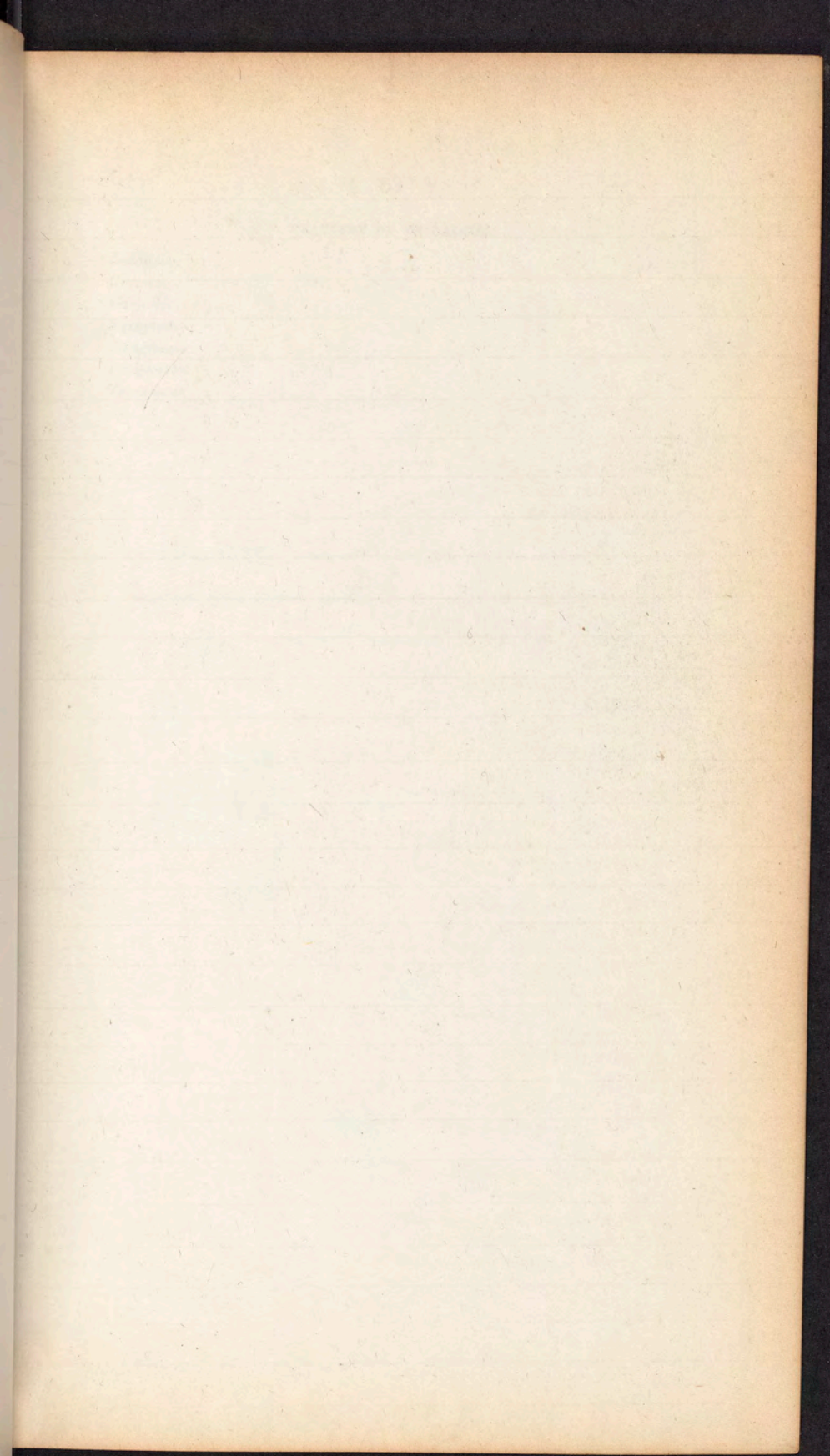
XXII. BONES OF THE FOOT.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.



80





FRACTURE OF OS CALCIS.

Liability.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

2. DISEASES AND INJURIES OF THE JOINTS.

GENERAL REMARKS.

JOINTS MOST LIABLE TO DISEASE.

CAUSES OF DISEASE.

EFFECTS ON CONSTITUTION.

CLASSIFICATION.—All the diseases of the joints may be ranged under nine heads.

1. Diseases originating in the soft parts, either *intra* or *extra*-articular.
2. Diseases originating in the hard tissues of a joint.
3. Affections which may be considered as products or terminations of diseased action.
4. Malignant diseases of the joints.
5. Wounds.
6. Sprains.
7. Dislocations.
8. Congenital luxation.
9. Diseases of the bursæ mucosæ.

FIRST HEAD.

- a. Synovitis—acute and chronic.
- b. Hydrops articuli.
- c. Abscess.
- d. Elongation of ligaments.
- e. Inflammation of ligaments.
- f. Fleshy tumours of the synovial membranes.
- g. Loose cartilages in the joints.
- h. Certain forms of white swelling.
- i. Coxalgia, or hip disease.
- j. Neuralgia.
- k. Inflammation of the cellular tissue.

SECOND HEAD.

- a. Certain forms of white swelling.
- b. Certain forms of coxalgia.

THIRD HEAD.

- a. Hypertrophy of articular cartilage.
- b. Atrophy of articular cartilage.
- c. Eburnation of articular cartilage.
- d. Softening of articular cartilage.
- e. Ulceration of articular cartilage.

False cartilage - often attached
in crust - one excision by a probe -
so long as probe attached does not
obscure, when broken no difficulty
narrow vary in size and shape
if smooth and flat little difficulty
in removing, if rough more diff
erence to synovial inflame

Symptoms - peculiar pain no
external deformity - sudden arrestation of
articular movement, if it exist and
moves it will produce chronic synovitis -

Two modes by compression and
open - more unfavourable than other

The person may be incap - then must
operate. Subcut open make valve open
4 in above joint - and pass knife
down - always endeavour by Comp -
treat by most active ~~inflammation~~
anti phlogistics -

White swelling

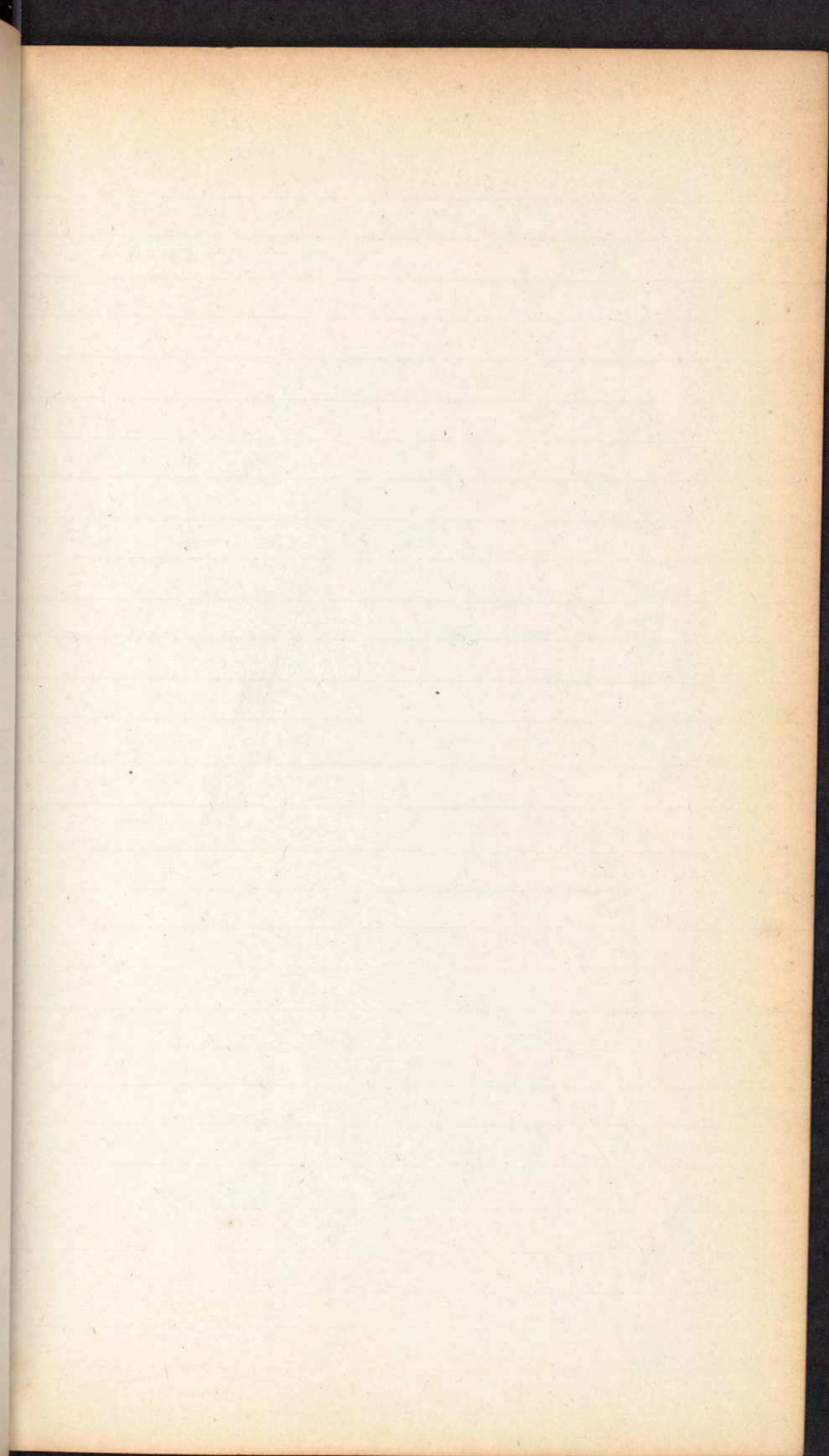
THE PURPOSES AND PRINCIPLES OF THE WORK

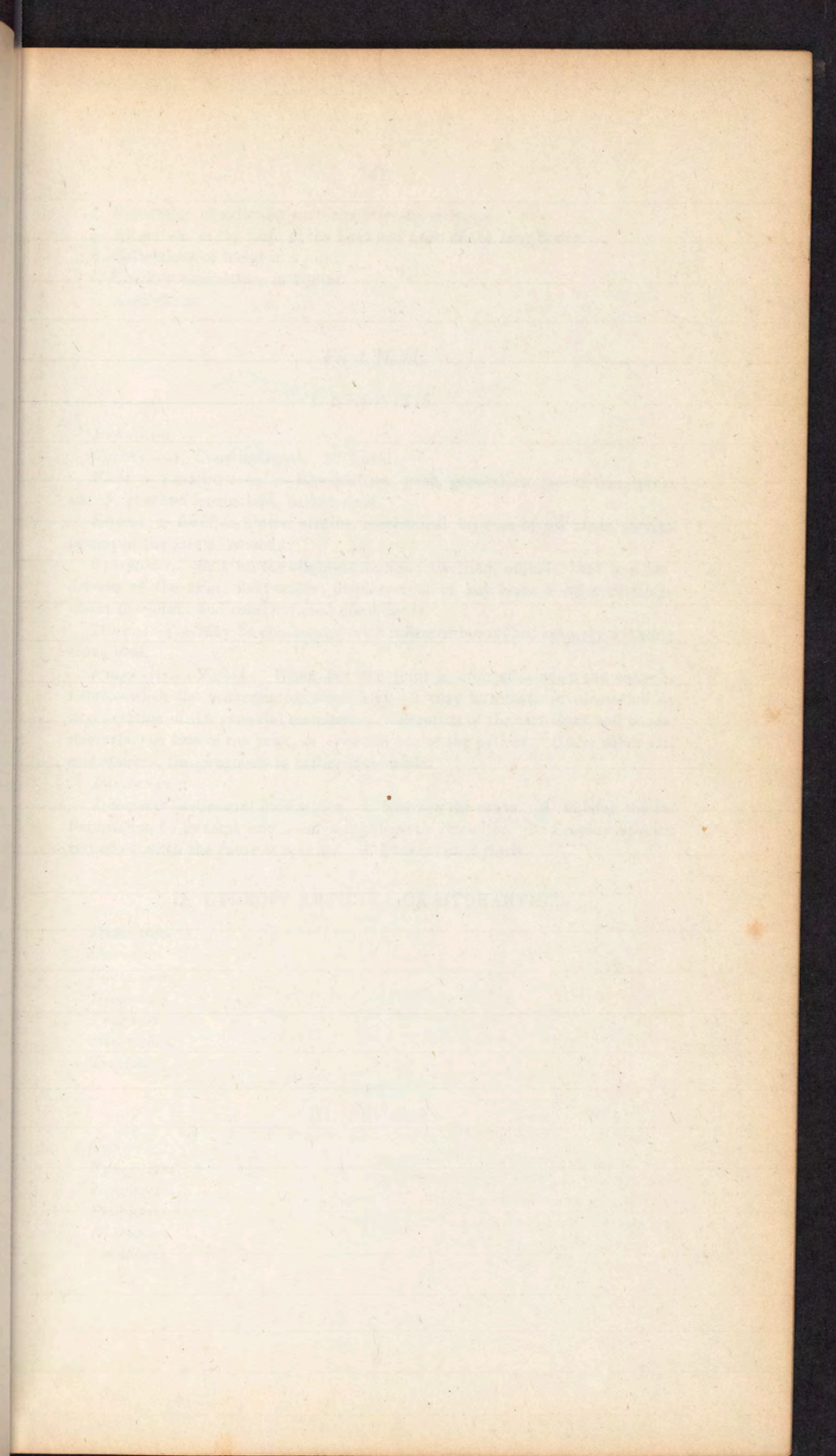
The purpose of this work is to provide a comprehensive and accurate account of the history and development of the various branches of the natural sciences, and to show the progress of our knowledge in these fields during the last few centuries. The principles which govern the progress of science are also to be explained, and the methods of research which have been employed in the various sciences are to be described. The work is intended to be a valuable resource for students and teachers of the natural sciences, and for all who are interested in the history and progress of science.

The work is divided into two main parts. The first part, which is the larger, is devoted to the history and development of the various branches of the natural sciences. The second part, which is the smaller, is devoted to the principles which govern the progress of science, and to the methods of research which have been employed in the various sciences.

The first part is divided into five main sections. The first section is devoted to the history and development of the various branches of the natural sciences. The second section is devoted to the history and development of the various branches of the natural sciences. The third section is devoted to the history and development of the various branches of the natural sciences. The fourth section is devoted to the history and development of the various branches of the natural sciences. The fifth section is devoted to the history and development of the various branches of the natural sciences.

The second part is divided into two main sections. The first section is devoted to the principles which govern the progress of science, and to the methods of research which have been employed in the various sciences. The second section is devoted to the principles which govern the progress of science, and to the methods of research which have been employed in the various sciences.





- f.* Reparation of articular cartilage after wounds, &c.
- g.* Alteration in the form of the head and neck of the long bones.
- h.* Collections of blood in a joint.
- i.* Chalkey concretions in a joint.
- j.* Anchylosis.

First Head.

I. SYNOVITIS.

Definition.

Causes.—1. Constitutional. 2. Local.

First, or constitutional.—Rheumatism, gout, gonorrhœa, parturition, pregnancy, checked leucorrhœa, catheterism.

Second, or local.—Blows, strains, mechanical injuries of all kinds, foreign bodies in the joints, wounds.

Symptoms.—Pain on the slightest motion; swelling, redness, heat and tenderness of the skin; fluctuation; displacement of any loose bone or cartilage about the joint; and constitutional disturbance.

Diagnosis.—May be confounded with inflamed bursæ, but scarcely with any thing else.

Prognosis.—Varies. When but one joint is affected—when the cause is local—when the inflammation runs high—it may terminate in ulceration or degeneration of the synovial membranes, ulceration of the cartilages and bones, necrosis, the loss of the joint, or even the life of the patient. Under other circumstances, the prognosis is rather favourable.

Dissection.

Treatment.—General indications. 1. Remove the cause. 2. Subdue the inflammation by general and local antiphlogistic remedies. 3. Employ specific remedies when the cause is specific. 4. Prevent anchylosis.

II. HYDROPS ARTICULI, OR HYDRARTHUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. ABSCESS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IV. ELONGATION OF LIGAMENTS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

V. INFLAMMATION OF LIGAMENTS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

VI. FLESHY TUMOURS OF THE SYNOVIAL MEMBRANE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

VII. CARTILAGES IN THE JOINTS

Definition and history.

Joints most liable.—The ginglymoidal, especially the knee, elbow and jaw.

Condition in the joint.—Loose or attached.

Size.—Varies.

Consistence.—Varies.

Structure.—Scarcely organized.

Number.—Varies.

Mode of formation.—Different explanations. Those of Paré, Monro, Erlangen, Hunter, Cooper, and Brodie, referred to.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Two general methods. 1. Compression. 2. Extraction. Relative value of the two. Dangers of extraction referred to, and the different operations, especially that of Goyraud and Syme, explained.

VIII. WHITE SWELLING, OR FUNGUS ARTICULI.

Definition.

Confusion in relation to the precise meaning of the term.

Brodie's classification.—According to Sir Benj. Brodie, all the cases of white swelling may be referred to one of four different lesions. 1. Simple inflammation of the synovial membrane. 2. Gelatinous degeneration of the synovial membrane. 3. Ulceration of the cartilages. 4. Ulceration of the bone.

Ages most liable.

Joints most liable.

BRAD

here at

Part B

condition
of the G

LL

mean
the
the
the

THE HISTORY OF THE UNITED STATES

CHAPTER I
THE DISCOVERY OF AMERICA
THE FIRST SETTLEMENTS
THE GROWTH OF THE COLONIES
THE STRUGGLE FOR INDEPENDENCE

THE CONSTITUTION OF THE UNITED STATES

CHAPTER II
THE CONSTITUTION
THE EXECUTIVE DEPARTMENT
THE LEGISLATIVE DEPARTMENT
THE JUDICIAL DEPARTMENT

THE HISTORY OF THE UNITED STATES

CHAPTER III
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES

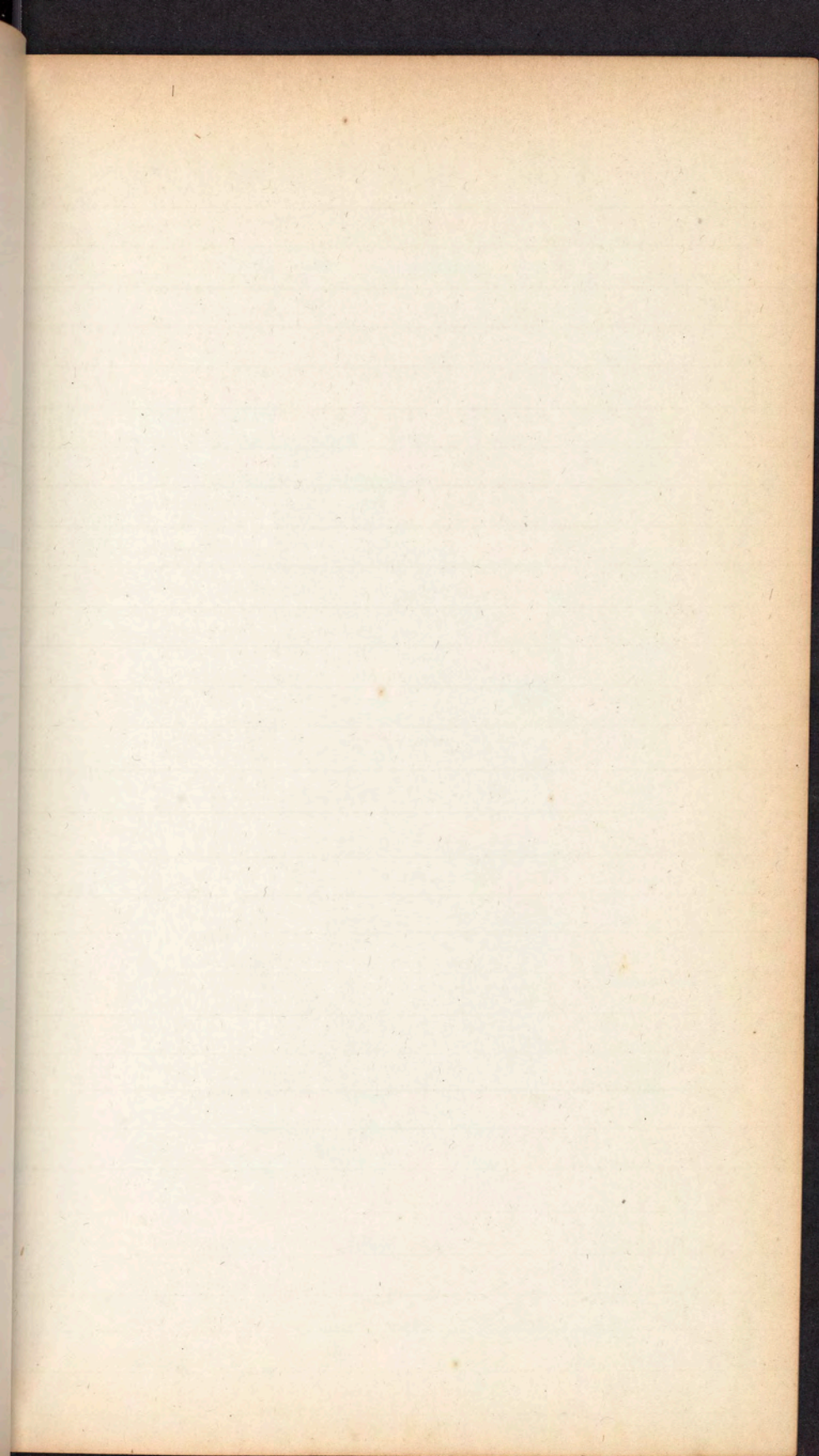
THE HISTORY OF THE UNITED STATES

CHAPTER IV
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES

CHAPTER V
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES

THE HISTORY OF THE UNITED STATES

CHAPTER VI
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES
THE HISTORY OF THE UNITED STATES



Causes.—Constitutional and local.

Symptoms.—Vary with the form of lesion. Three groups may be made.

Diagnosis.—Highly important to distinguish one from the other.

Prognosis.—Varies, but generally it is unfavourable.

Terminations.—Resolution, ankylosis, suppuration, alteration of all the tissues of the joint, necrosis, the loss of the joint or limb, or the life of the patient.

Dissection.—Depends on the stage at which it is made, and the form of the disease.

Treatment.—Differs somewhat in each variety, but there are certain general indications that will answer for all. The remedies are of course both *constitutional* and *local*.

General indications in the first stage of the disease.—1. Keep the part at rest by splints and position. 2. Employ general and local antiphlogistics if inflammation runs high. 3. Prevent contraction of the limb.

General indications in the second stage.—1. Counter irritation should be employed. 2. Pressure as recommended by Scott is often useful. 3. Employ alteratives to suit the diathesis. 4. Keep the joint at rest, while the patient is allowed, if possible, access to the fresh air. Crutches and sling, &c. 5. Support the strength if prostration should supervene. 6. Prevent ankylosis.

General indications in the third stage.—1. Support the general health. 2. Never open the abscess unless we are forced so to do by peculiar circumstances. 3. Poultice the part after the abscess opens. 4. Keep the joint in a splint. 5. It is often essential to obtain ankylosis, to save the life of the patient. 6. When all our remedies fail, and the patient is sinking, *amputate* or *excise* the joint.

IX. COXALGIA, OR HIP DISEASE.

Definition.

Persons most liable.—Children of a scrofulous habit, from three to four years of age, or from seven to fourteen. May occur in adults.

Causes.—1. Constitutional. 2. Local.

First, or constitutional.—Scrofula, atmospheric changes, rheumatism, repelled eruptions.

Second, or local.—Mechanical injuries of every kind.

Symptoms.—May be divided into four groups. 1. Those which characterize the period of apparent *elongation* of the limb, with slight pain in the knee and lameness, &c. &c. 2. Those which belong to the period of *shortening* of the limb, with pain in the hip itself, &c. &c. 3. Those which characterize the period of suppuration and ulceration in the joint. 4. Those which indicate convalescence. The causes of *elongation* and *shortening* in the first and second stages explained.

Diagnosis.—May be confounded with—

a. Fracture of the cervix femoris.

b. Luxation of the caput femoris.

c. Congenital luxation.

d. Rheumatism.

e. Chronic inflammation of the upper third of the femur.

f. Sciatica.

g. Psoas abscess.

Prognosis.—May be stated to be generally unfavourable.

Dissection.—The appearance on dissection depends upon the stage and progress of the disease.

Pathology.—Much diversity of opinion on this point. State my own views.

Treatment.—General indications. 1. Rest and the antiphlogistic system throughout the first stage. 2. Place the limb in a splint of such construction as shall maintain the limb as nearly in its natural position as possible, so that when resolution cannot be obtained, and false joint or ankylosis must be brought about, the patient may still retain its use. Speak of Physick's and Humbert's method of practice. 3. Attend to the diathesis. 4. Apply counter irritants. 5. Support the health when this support is indicated. 6. Evacuate pus when it is formed in large quantities, poultice, and support the health. 7. When resolution cannot be obtained, endeavor to form a false joint, or establish ankylosis. 8. After inflammation has subsided, and the limb remains shortened from muscular contraction, it is often useful to employ Humbert's method of reduction. Point out the dangers of this practice, as well as its advantages. 9. Protect the limb for some time after the cure has been established. 10. When the limb is shortened or deformed, apply some apparatus by which the patient will be enabled to walk with comfort.

X. NEURALGIA.

Definition.

Persons usually attacked.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XI. INFLAMMATION OF THE CELLULAR TISSUE EXTERIOR TO THE JOINT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

Second Head.

I. CERTAIN FORMS OF WHITE SWELLING.

For the characteristics of these forms, refer to what has already been given under the first head.

II. CERTAIN FORMS OF COXALGIA.

For the characteristics of these forms, refer to what has already been said under the first division.

Rheumatic - Irritated - Suppose
has Rheumatism - Pale - Anorexia - app-
etite if pain intermittent, no swelling
no redness or heat, will complain as
much by slight as by violent
move. Full doses Horse - Diet
good - and Scurvy - bathe lotion
Tincture Arnica - shower bath,

THE HISTORY OF THE UNITED STATES OF AMERICA
FROM 1789 TO 1801

BY
JOHN F. JOHNSON
OF THE
NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
1897

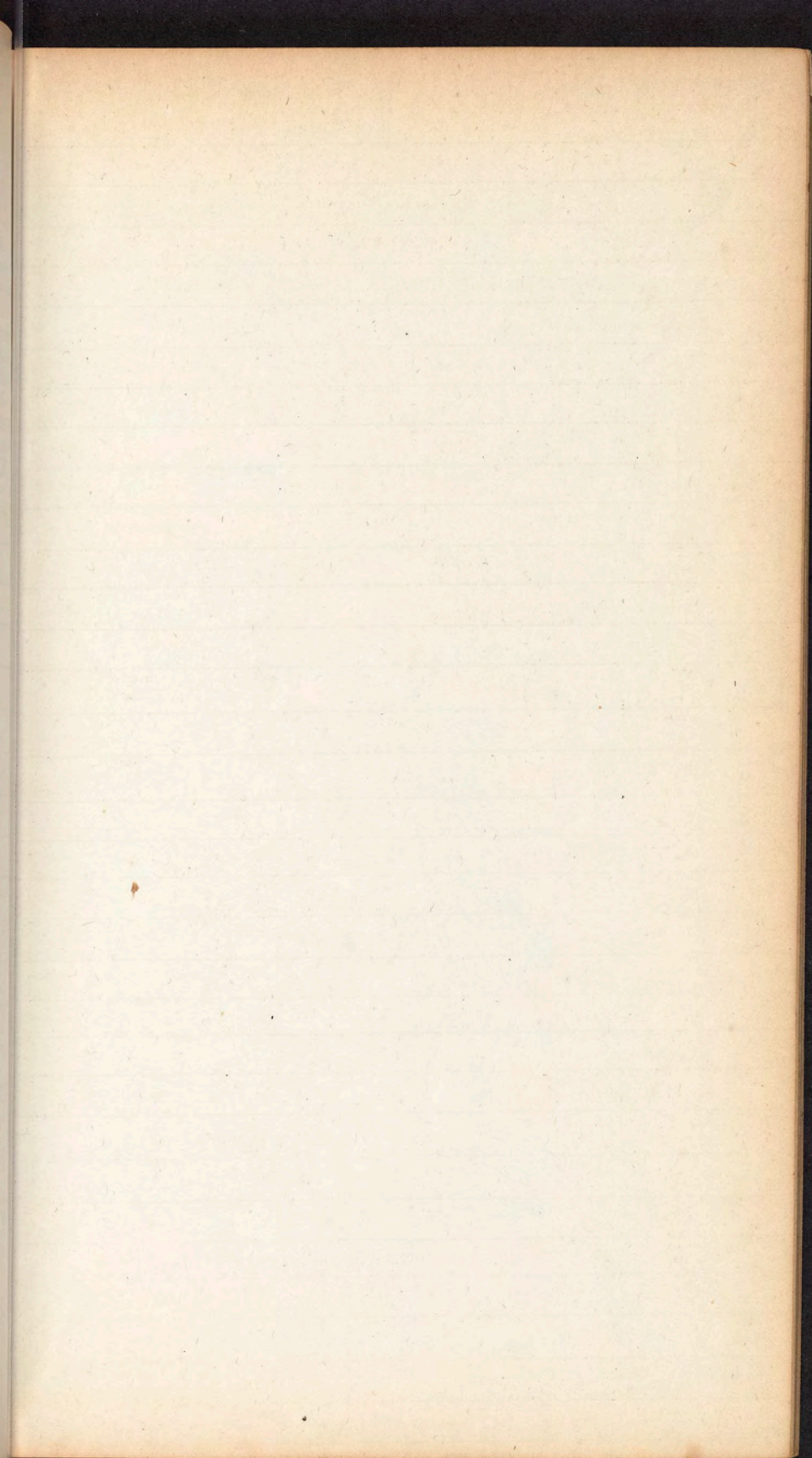
NEW YORK
PUBLISHED BY
JOHN F. JOHNSON
1897

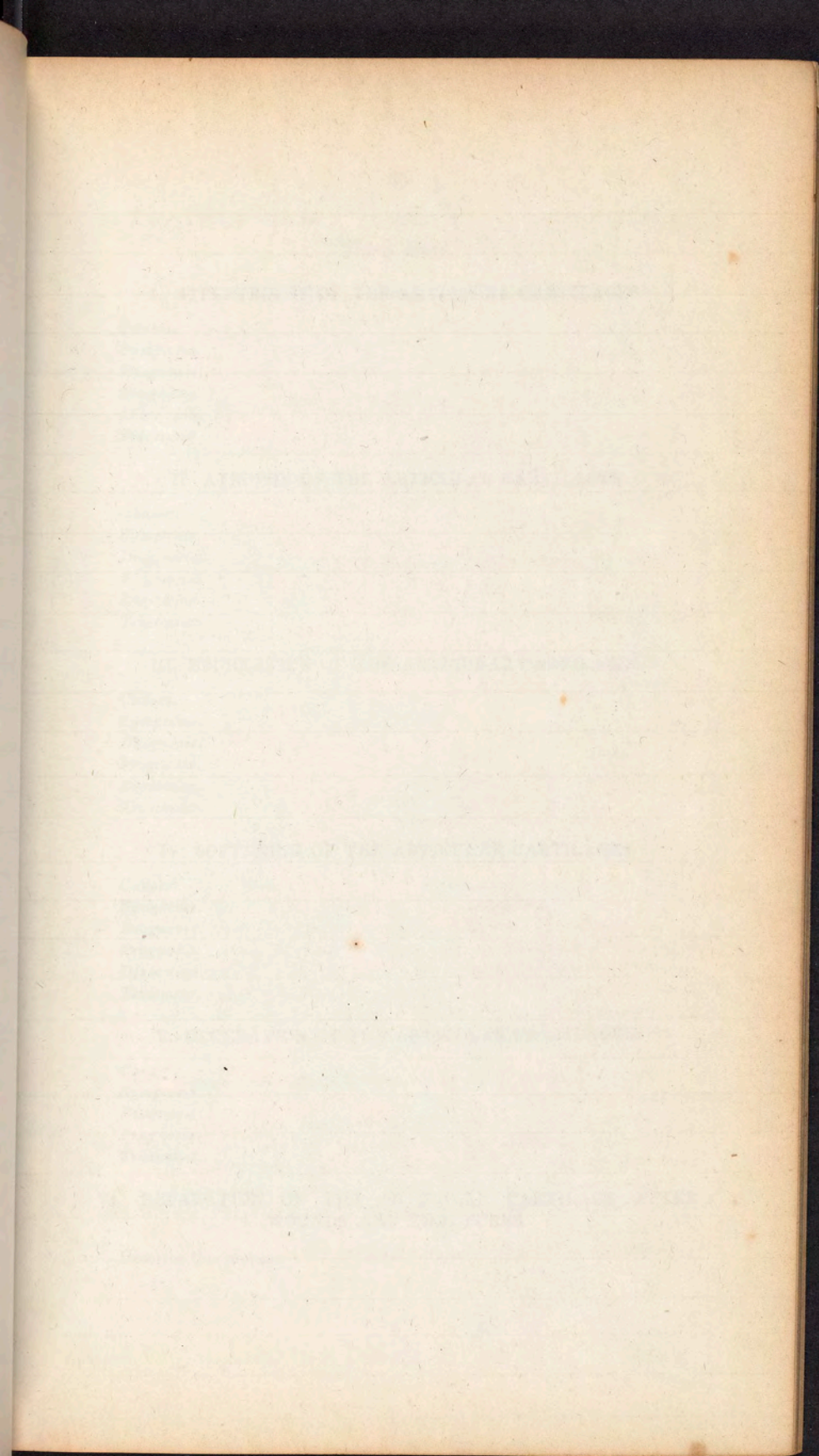
THE HISTORY OF THE UNITED STATES OF AMERICA
FROM 1789 TO 1801

BY
JOHN F. JOHNSON
OF THE
NEW YORK PUBLIC LIBRARY
ASTOR LENOX TILDEN FOUNDATION
1897

NEW YORK
PUBLISHED BY
JOHN F. JOHNSON
1897

THE HISTORY OF THE UNITED STATES OF AMERICA
FROM 1789 TO 1801





Third Head.

I. HYPERTROPHY OF THE ARTICULAR CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

II. ATROPHY OF THE ARTICULAR CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. EBURNATION OF THE ARTICULAR CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IV. SOFTENING OF THE ARTICULAR CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. ULCERATION OF THE ARTICULAR CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VI. REPARATION OF THE ARTICULAR CARTILAGE AFTER WOUNDS AND FRACTURES.

Describe this process.

VII. ALTERATION IN THE FORM OF THE HEAD AND NECK OF THE LONG BONES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VIII. COLLECTIONS OF BLOOD IN THE CAVITY OF A JOINT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IX. CHALKEY CONCRETIONS IN AND AROUND JOINTS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

X. ANCHYLOSIS.

Definition.

Classification.—1. Partial or local.

2. General or universal.

1. True or complete.

2. False or incomplete.

1. Extra capsular.

2. Intra capsular.

3. Capsular.

Causes.—Most of the causes operate by keeping the parts motionless, or nearly so, for a length of time. For example : diseases of various kinds, tumours, fractures, dislocations, simple rest, cicatrices, injuries of tendons and muscles, paralysis of one set of muscles, contraction of fascia, &c.; others operate under all circumstances, as old age, chronic rheumatism or gout. Sometimes it is a protective effort of nature, as seen in curvatures of the spine, ankylosis of diseased joints, &c.

Liability.—Ginglymoid joints are more frequently thus affected than the orbicular. Why?

Symptoms.—Depend on the variety of ankylosis.

Diagnosis.—Cannot be confounded with any other affection. There is often much difficulty, however, in the distinguishing one form from another.

Prognosis.—Varies with the character of the lesion—the nature of its cause—the duration of the case—the age and health of the patient—the joint involved, &c.

Dissection.—Varies with the kind of ankylosis.

TO THE

OF A

JOINT

in order
to kindle
the spirit
of the
people
and to
bring
about
the
reform

and to

The
author
of the
book
has
been
informed

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

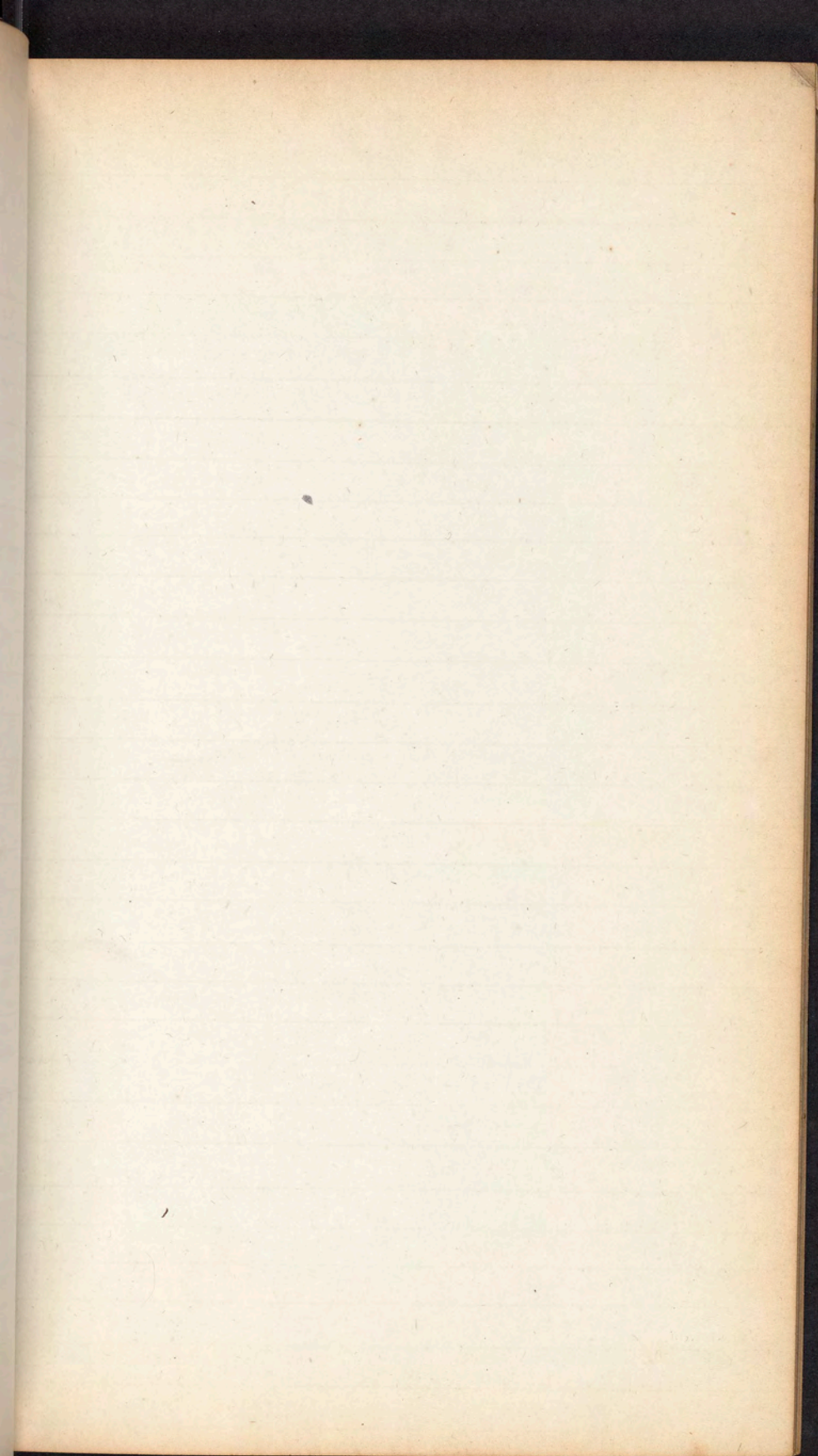
THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

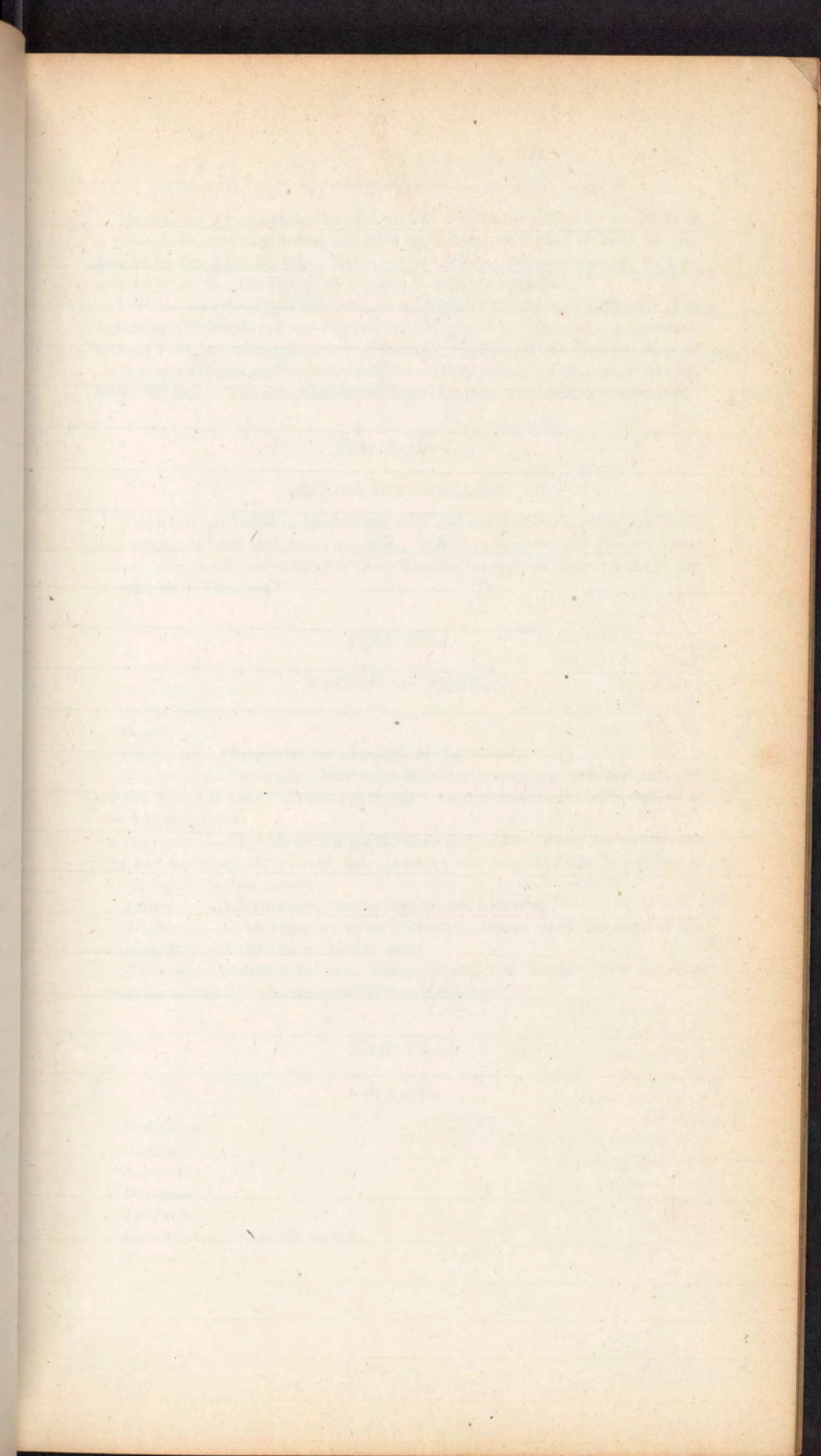
THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900

THE UNIVERSITY OF CHICAGO
CHICAGO, ILLINOIS
1900





Wounds L. divided Superficial
and penetrated, be careful in stitching
not to take a stitch through main Syn
in bad lacerated wounds - must perform
shding operation. If ball lodged in joint
take a Trophim - if can see take
out - but if can see it get it out

Treatment.—In true ankylosis we can only relieve the patient by establishing a false joint, or straightening the limb by cutting out a plug of bone, as performed by Dr. J. R. Barton. Never excise the joint, nor amputate the limb, as advised by some; nor should we attempt Louvrier's operation.

In false ankylosis, the treatment is modified by the cause of stiffness. The agents usually employed are passive motion, frictions, electricity, galvanism, vapour bath, the screw, division of tendons, fascia and muscles, excision of cicatrices, and some contrivance to take the place of paralysed muscles, as advised by Sir C. Bell. The comparative merit and dangers of these means explained.

Fourth Head.

MALIGNANT DISEASES.

The joints are liable to be attacked with malignant diseases of various kinds, but especially with malignant exostosis, medullary sarcoma and fungus hematicus. For the characteristics of these diseases, as well as their treatment, see chapter on "Tumours."

Fifth Head.

WOUNDS OF JOINTS.

Division.

Causes.

Symptoms.—Vary with the character of the wound.

Diagnosis.—Generally, there is no difficulty in deciding upon the character of the wound at once. Punctured wounds may be confounded with wounds of the bursæ mucosæ.

Prognosis.—Depends on the joint injured, the character of the wound, the age and health of the patient, the season of the year, and the possibility of obtaining the proper remedy.

Dangers.—Inflammation, tetanus, caries, and necrosis.

Dissection.—The appearances on dissection depend upon the stage of the disease, at which the examination is made.

Treatment.—Divided into—1. Constitutional. 2. Local. The remedies must be modified to suit the peculiarities of the case.

Sixth Head.

SPRAINS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Results or effects of the injury.

Treatment.

Seventh Head.

DISLOCATIONS.

Definition.

Causes.—1. Predisposing or remote. 2. Proximate or efficient. The first class may be subdivided into the *local* and *general*.

(1.) The local predisposing causes are—

- a. Preternatural length of the ligaments of a joint, (see Stanley.)
- b. Peculiar congenital formation of the joint.
- c. The form of the joint.
- d. Paralysis of the muscles around the joint.
- e. Disease of the constituent tissues of a joint.
- f. Hydrops articuli.
- g. Tumours or earthy deposites in or about the joints.
- h. Interstitial change in the articulating surfaces.

The general predisposing causes are—

- a. Preternatural laxity of the entire ligamentous system, (see Delpech.)
- b. The age. Dislocations are rare in the *very young* or *very old*.

(2.) *Local or external causes.*

- a. External violence.
- b. Muscular action.

Joints most liable to luxation.—The ball and socket joints, from the character of their articulating surfaces; the weakness of their ligaments; and their subjection to the influence of a larger number of muscles, are more frequently dislocated than the ginglymoid.

Classification of dislocations.—The first division is based upon the definitive position of the head of the bone. Thus we have—

- a. Primitive luxation.
- b. Consecutive luxation.

The second degree is based upon the degree of displacement. Thus we have:

- a. Complete luxation.
- b. Incomplete luxation, or sub-luxation.

The third division is based upon the duration of the accident. Thus we have:

- a. Recent luxation.
- b. Old luxation.

The fourth division is based upon the degree of injury inflicted upon the adjacent soft parts or the bones themselves. Thus we have—

- a. Simple luxation.
- b. Compound luxation.
- c. Complicated luxation.

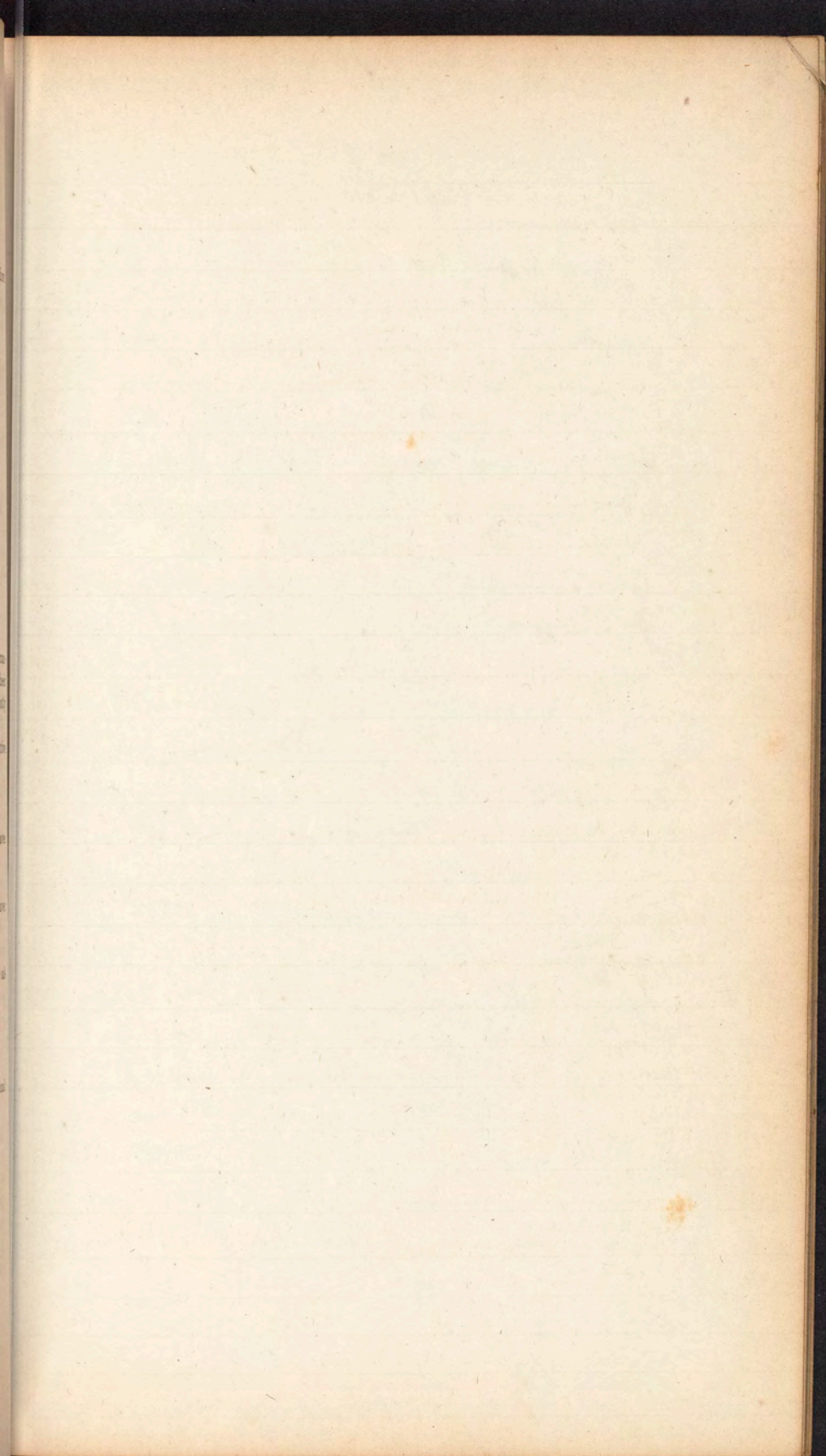
Symptoms of luxation.—1. Rational or Physiological. 2. Sensible or Physical.

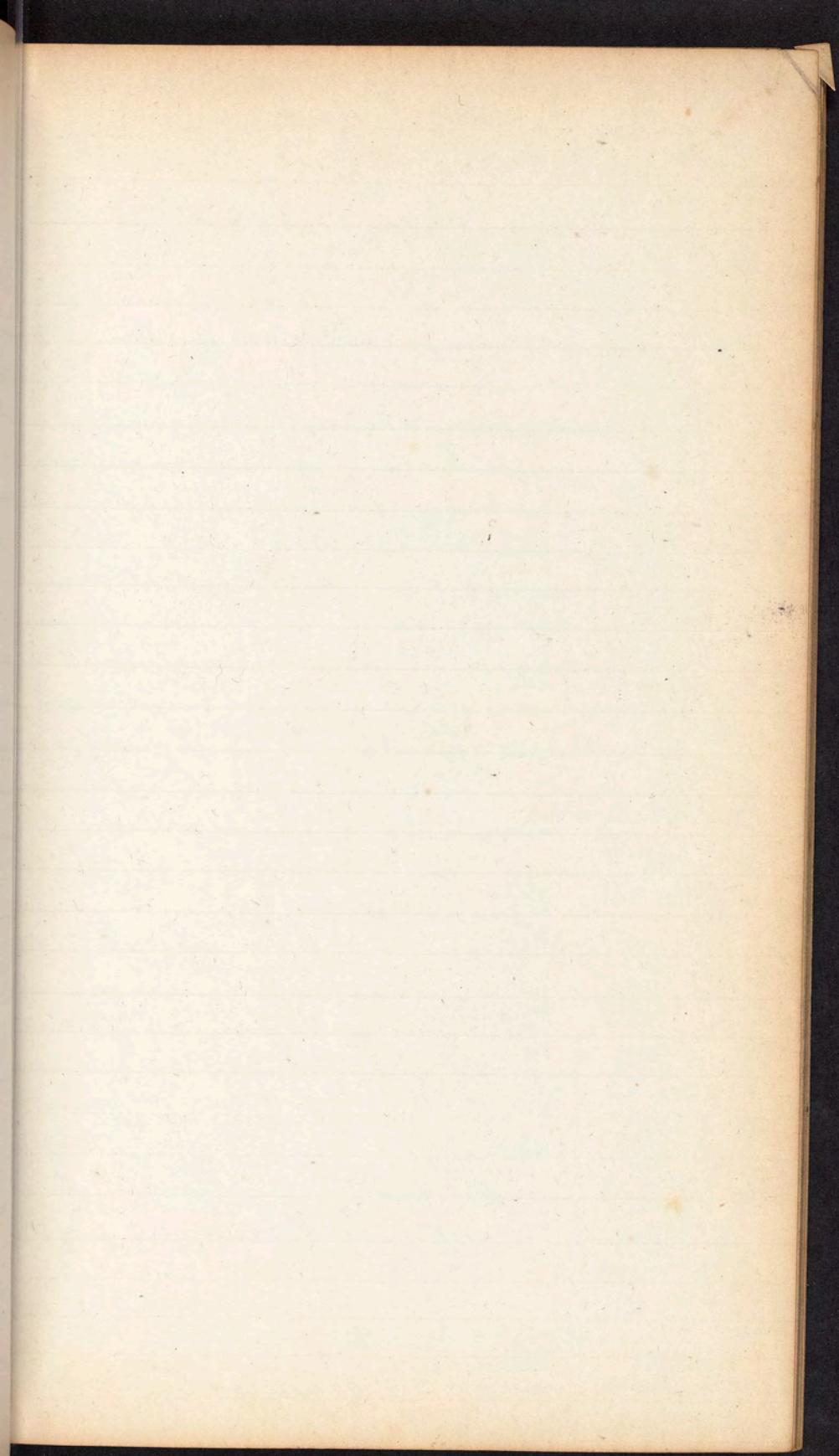
First, or rational.

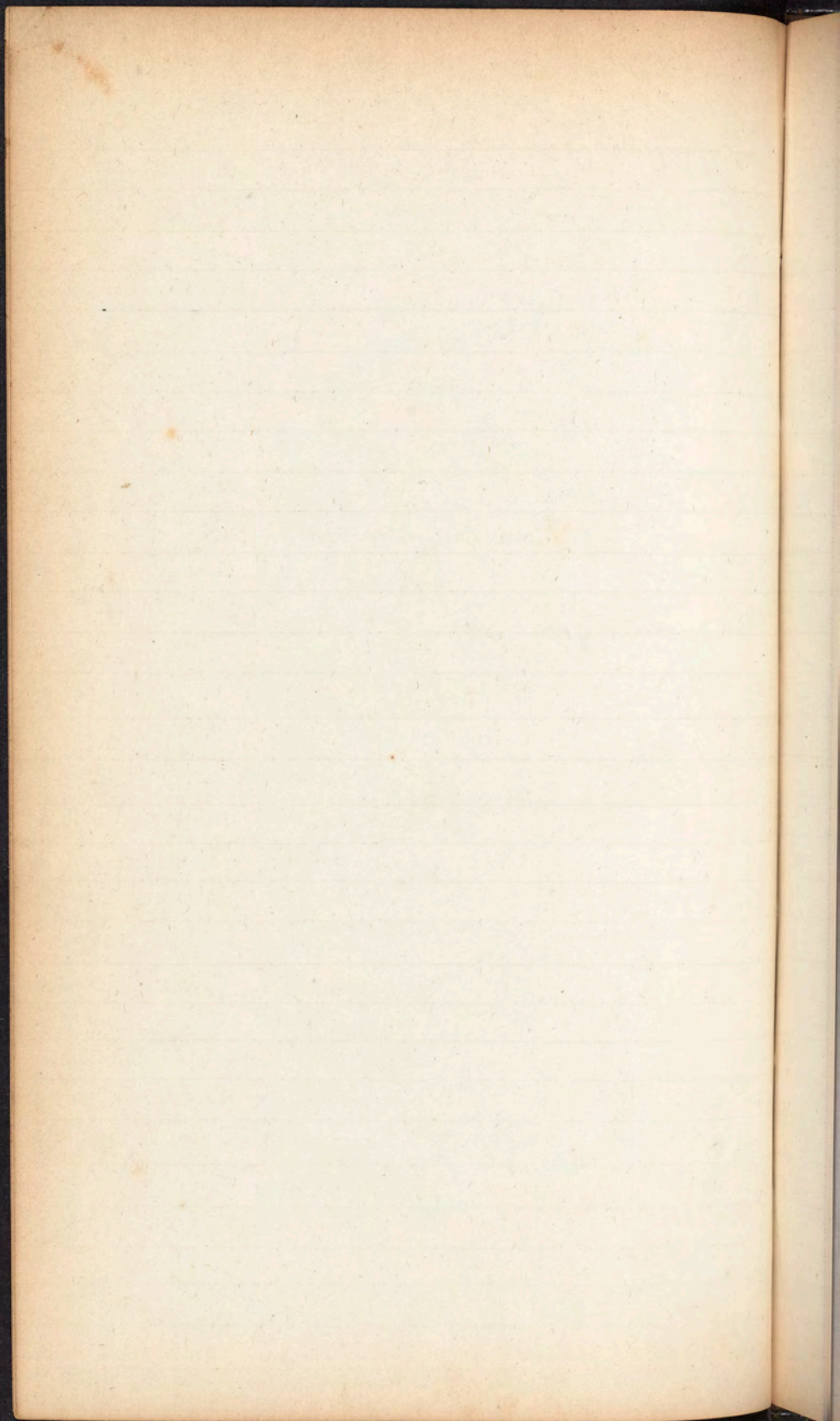
- a. Pain.
- b. Numbness or paralysis in limb.
- c. Loss of motion.
- d. Constitutional disturbance.

Second, or physical.

- a. Change in the entire form of the limb.
- b. Change in the natural length of the limb.







1. The first of these is the fact that the
the second of these is the fact that the
the third of these is the fact that the
the fourth of these is the fact that the
the fifth of these is the fact that the
the sixth of these is the fact that the
the seventh of these is the fact that the
the eighth of these is the fact that the
the ninth of these is the fact that the
the tenth of these is the fact that the
the eleventh of these is the fact that the
the twelfth of these is the fact that the
the thirteenth of these is the fact that the
the fourteenth of these is the fact that the
the fifteenth of these is the fact that the
the sixteenth of these is the fact that the
the seventeenth of these is the fact that the
the eighteenth of these is the fact that the
the nineteenth of these is the fact that the
the twentieth of these is the fact that the
the twenty-first of these is the fact that the
the twenty-second of these is the fact that the
the twenty-third of these is the fact that the
the twenty-fourth of these is the fact that the
the twenty-fifth of these is the fact that the
the twenty-sixth of these is the fact that the
the twenty-seventh of these is the fact that the
the twenty-eighth of these is the fact that the
the twenty-ninth of these is the fact that the
the thirtieth of these is the fact that the
the thirty-first of these is the fact that the
the thirty-second of these is the fact that the
the thirty-third of these is the fact that the
the thirty-fourth of these is the fact that the
the thirty-fifth of these is the fact that the
the thirty-sixth of these is the fact that the
the thirty-seventh of these is the fact that the
the thirty-eighth of these is the fact that the
the thirty-ninth of these is the fact that the
the fortieth of these is the fact that the
the forty-first of these is the fact that the
the forty-second of these is the fact that the
the forty-third of these is the fact that the
the forty-fourth of these is the fact that the
the forty-fifth of these is the fact that the
the forty-sixth of these is the fact that the
the forty-seventh of these is the fact that the
the forty-eighth of these is the fact that the
the forty-ninth of these is the fact that the
the fiftieth of these is the fact that the
the fifty-first of these is the fact that the
the fifty-second of these is the fact that the
the fifty-third of these is the fact that the
the fifty-fourth of these is the fact that the
the fifty-fifth of these is the fact that the
the fifty-sixth of these is the fact that the
the fifty-seventh of these is the fact that the
the fifty-eighth of these is the fact that the
the fifty-ninth of these is the fact that the
the sixtieth of these is the fact that the
the sixty-first of these is the fact that the
the sixty-second of these is the fact that the
the sixty-third of these is the fact that the
the sixty-fourth of these is the fact that the
the sixty-fifth of these is the fact that the
the sixty-sixth of these is the fact that the
the sixty-seventh of these is the fact that the
the sixty-eighth of these is the fact that the
the sixty-ninth of these is the fact that the
the seventieth of these is the fact that the
the seventy-first of these is the fact that the
the seventy-second of these is the fact that the
the seventy-third of these is the fact that the
the seventy-fourth of these is the fact that the
the seventy-fifth of these is the fact that the
the seventy-sixth of these is the fact that the
the seventy-seventh of these is the fact that the
the seventy-eighth of these is the fact that the
the seventy-ninth of these is the fact that the
the eightieth of these is the fact that the
the eighty-first of these is the fact that the
the eighty-second of these is the fact that the
the eighty-third of these is the fact that the
the eighty-fourth of these is the fact that the
the eighty-fifth of these is the fact that the
the eighty-sixth of these is the fact that the
the eighty-seventh of these is the fact that the
the eighty-eighth of these is the fact that the
the eighty-ninth of these is the fact that the
the ninetieth of these is the fact that the
the ninety-first of these is the fact that the
the ninety-second of these is the fact that the
the ninety-third of these is the fact that the
the ninety-fourth of these is the fact that the
the ninety-fifth of these is the fact that the
the ninety-sixth of these is the fact that the
the ninety-seventh of these is the fact that the
the ninety-eighth of these is the fact that the
the ninety-ninth of these is the fact that the
the hundredth of these is the fact that the

- c. Unnatural rigidity of the limb.
- d. The disappearance of preternatural enlargement of the natural prominences of the joint.
- e. The appearance of unnatural cavities about the joints.
- f. The appearance of a tumour (formed by the head of the bone) in the vicinity of the joint.

Diagnosis.—Dislocations may be confounded with—

- 1st. Fractures.
- 2d. Sprains.
- 3d. Bent bones.

Prognosis.—Depends on a variety of circumstances. It is modified, for example, by—

- a. The joint involved.
- b. The degree of displacement.
- c. The duration of the injury.
- d. The degree of injury sustained by the soft parts of bones.
- e. The constitution of the patient.
- f. The direction taken by the head of the bone.

Dissection.—Appearances depend on the duration of the injury, and the tissues upon which the head of the bone rests.—State the usual appearance in recent and old luxations.

Treatment.—General indications.

1. The general condition of the patient demands our first attention, and before we attempt to relieve the injury he must be placed in as comfortable a position as possible, his fears calmed, and reaction to a certain degree established. It is sometimes well to deviate from the last direction, for should the patient faint from pain merely, his muscles are in the most favorable condition for our attempts at reduction.

2. As there is always displacement, "*reduction*" will be required. This may be accomplished, in many cases, by the employment of *mechanical means* alone, but often *constitutional agents* are required.

The mechanical means are—

- a. Extension.
- b. Counter extension.
- c. Change in the position of the different bones.—To accomplish these objects we employ *the hands of assistants, bands, rollers, the pullies, and various apparatus* for overcoming muscular resistance.—The forces must be applied *steadily and slowly, they must also be equal* and generally in the *line of displacement*.—Muscular resistance is often overcome by directing the patient's mind from the set of muscles concerned in the accident.—We must also select the *part* upon which our *extending and counter extending bands* are to be placed. Difference among surgeons on this point.—The obstacles to reduction by mechanical means alone are—

- 1. Muscular contraction.
- 2. The degree of laceration of the soft parts.
- 3. The shape of the joint.
- 4. The locking of the bones.
- 5 The existence of adhesions.
- 6. The interposition of tendons or ligaments.

The constitutional remedies employed, are intended chiefly to produce prostration, so that all muscular resistance is destroyed; and the most efficient are :

- a. Bloodletting.
- b. Hot bath.
- c. Tart. Antim. et Potassæ.
- d. Fumes of tobacco, or injections of its infusion.
- e. Intoxication.
- f. Etherification.

Value of Myodiatomy in difficult cases discussed.—Also the propriety of attempting the reduction of *old luxations* considered.

3. From the partial paralysis of the muscles, and laceration of the ligaments, it is essential to apply some mechanical means to prevent the recurrence of the luxation.—The usual dressings for fractures of the same bones may be employed, for a week or two after the reduction of the accident.

4. As inflammatory symptoms may supervene, measures must be taken to prevent their occurrence, and should they occur in spite of our efforts to the contrary, the antiphlogistic system in all its details must be employed.

5. For the rigidity, which, in almost every case, is the result of the dislocation, the remedies already mentioned as applicable to the same difficulty coming on after fractures, may be had recourse to.

6. When complicated with fracture, always recollect to dress both injuries before you leave the patient, and also to adopt the plan of treatment already indicated under the head of fractures.

COMPOUND AND COMPLICATED LUXATIONS.

After the reduction of the bones, the treatment in these injuries is identical with that advised in cases of compound and complicated fractures.—It is, therefore, needless to repeat it here.—The remarks relative to the dangers, and question of amputation, in the latter class of accidents, apply very well to the former.

PARTICULAR LUXATIONS.

I. INFERIOR MAXILLARY.

Anatomy of the joint.

Liability.—This accident is common.

Causes.—1. Predisposing. 2. Proximate.

(1.) Age, sex, and preternatural elongation of the processus vaginalis.

Variety.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

a - Bleeding - from time of Hippocrates
employ in a certain way must have the
patient standing - must have any effect
if in horizontal position - always take
away rapidly - by large orifices -
to ~~Hot bath~~ most efficient after the
blood letting where there is no contra-
indication, administers this - Hot bath
have the rule - make as hot as he
can bear - 110° 112° - If not used to
tobacco, Tart Emetic - does not good
acts by setting up inflammation in the
mucous membrane stomach. Sometimes
absolutely necessary to divide the
tendon muscle &c - after reduction
must always keep the parts at rest
use generally some heat must as patient
have also inflammation, and great
pain - good rule to drink and even to bleed
a muscular patient after luxation -
have sometimes rapidly passive motion
friction douche warm bath dressing -
When complicated take care to put
on some contrivance that will
steady fragments till luxation is
reduced - (Antiphlogistic -

Inf. May -

Only one in four able to luxated
from absence of strong lig. from any
muscle -

causes 1st age - almost peculiar
to adult middle age - nearly
always fracture, 2nd condition Mandibular
system, some persons peculiar.

2nd Proximate. If lower jaw
by widely open posterior portion of stylohyoid
and line is formed and throxy sent
out - better natural clay - shaped
process -

Symptoms - Cant shut mouth turn
in cheek depression where posterior root
fulness cheek - great secretion Saliva
where only one condyle - Saw Just -
intense pain Saliva dripping out
magnifies - very little difficulty

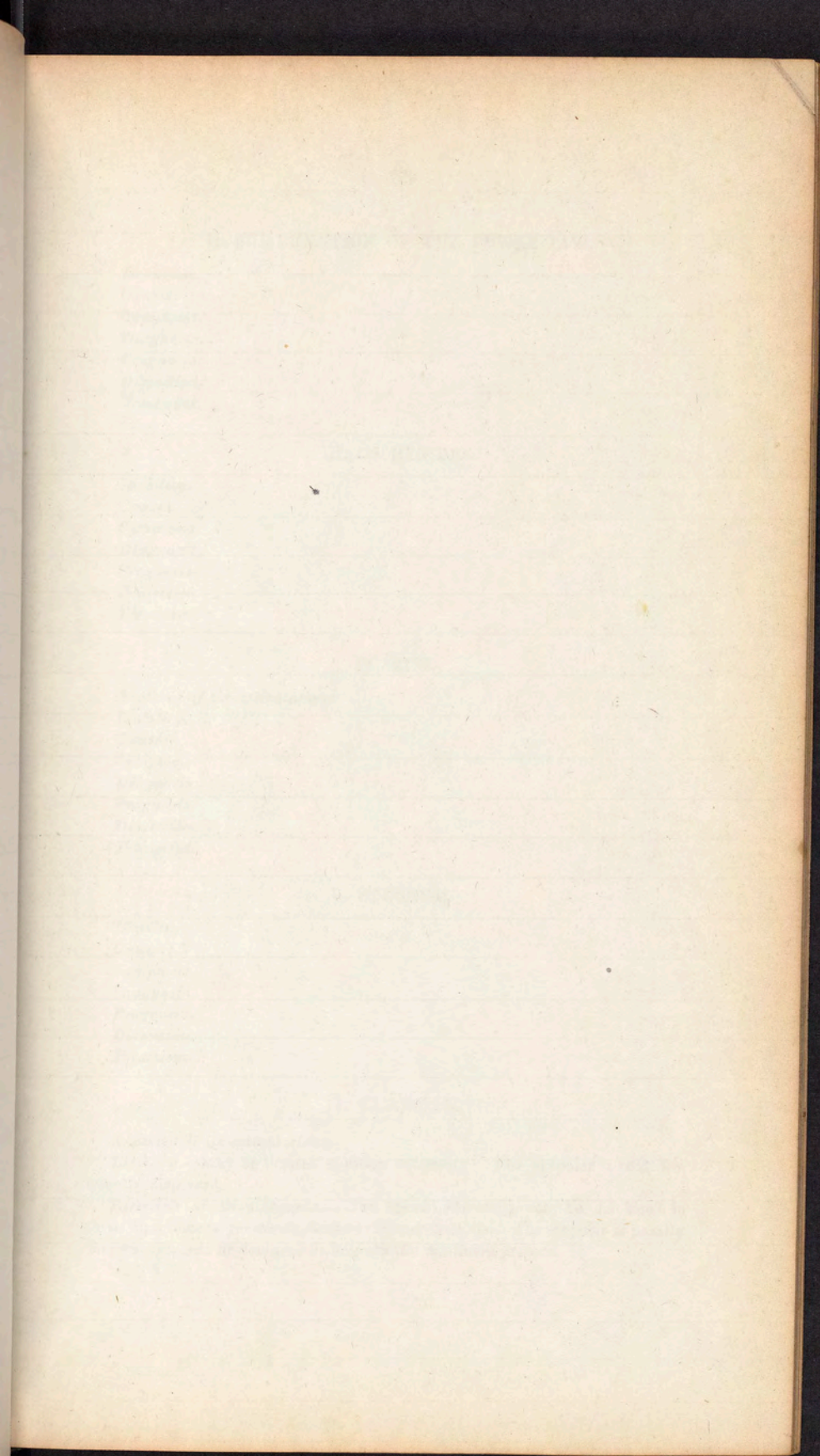
Examination only. Conceive by the
condyles retaining step - Grab
thumb and put thumb motion
tutor - and press down teeth
and left chin then slip the thumb
between, Put the cork in the
way lower and press head against
cheek and press strongly against it -
but any - owing to particular
cartilage slip - press down jaw
and hold - Cracking of jaw
protrusion length of capsule
recognized by look at person
owing to chronic inflammation - arful
cure - cold bath from change of
a strengthening man Rub at rest

Of Bores - Same as in
fracture -

Rebs - easy recognition never
have injury centre - Rib at rest
Antiphlogis -

Stemum - Same marks

Clavicle - from upper extremity
sternal extremity forwards - if should
be brought forwards by wire give away
and bone slips out and brought
against sternum by traction of the
pectoralis major in front and the
sacculus drawn behind. Should be
shortened pain rigidity lost motion
and tumor in front - Treat Rib
the patient in chair from shoulder up
by a sheet around chest and give sheet
to two assist - and then take the
arm and pull in line of displac -
and bone slips out - if in a
female deformity may app be
guarded in prognosis - put on
an app - that won't slip - Put
on fracture band and then
put on the Ring plaster -
Sometimes have sternal extremity



II. SUB-LUXATION OF THE LOWER JAW.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. OS HYOIDES.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IV. RIBS.

Anatomy of the articulations.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. STERNUM.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

VI. CLAVICLE.

Anatomy of its articulations.

Liability.—May be luxated at either extremity. The scapular is most frequently displaced.

Direction of Displacement.—The sternal extremity may be displaced in three directions:—*forwards, backwards, and upwards.* The scapular is usually thrown *upwards* or *downwards* beneath the acromion process.

I. STERNAL EXTREMITY FORWARDS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

II. STERNAL EXTREMITY BACKWARDS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

III. STERNAL EXTREMITY UPWARDS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

IV. SCAPULAR EXTREMITY UPWARDS.

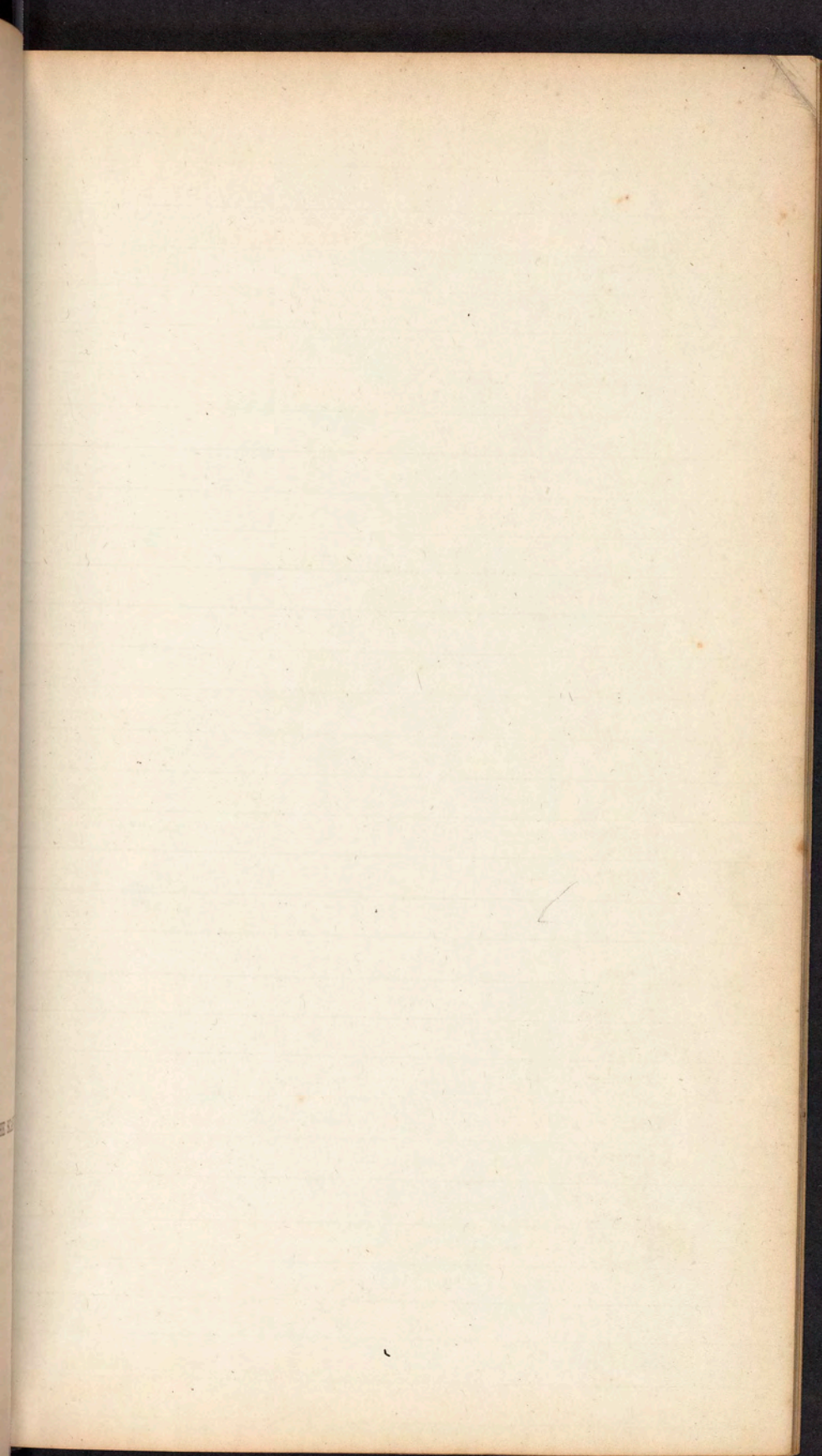
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

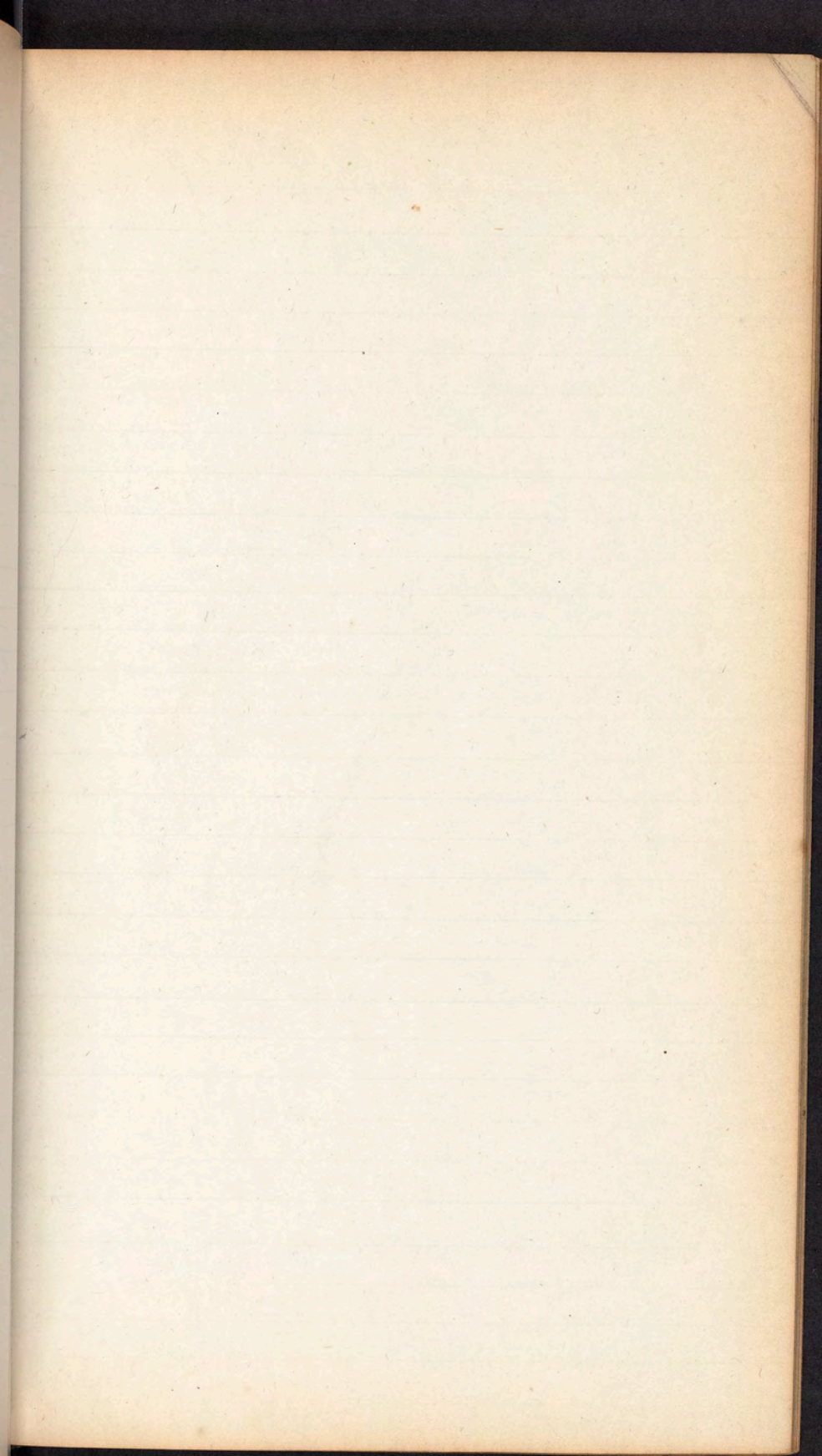
V. SCAPULAR EXTREMITY DOWNWARDS.

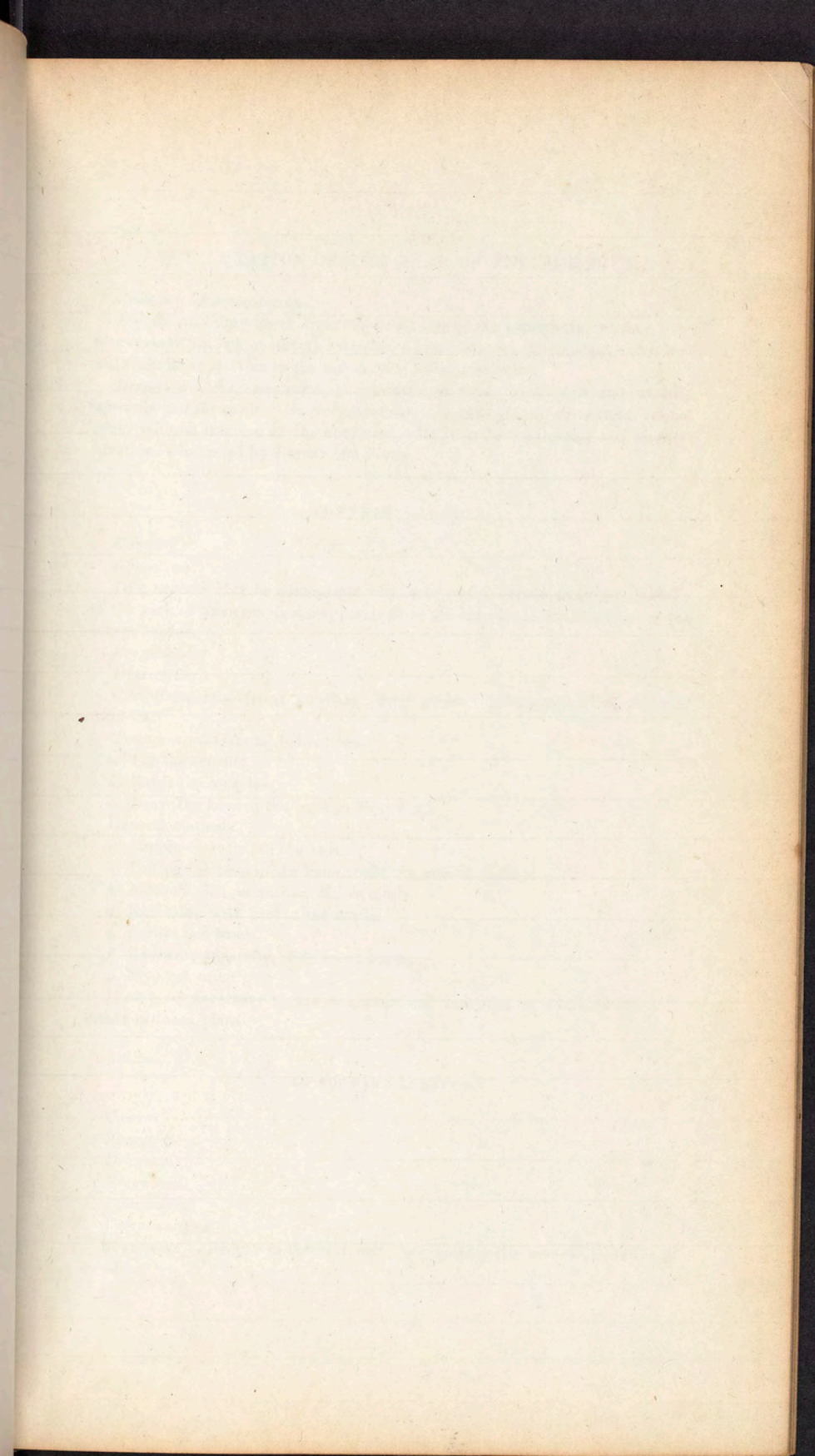
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

VII. LUXATION OF THE INFERIOR ANGLE OF THE SCAPULA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.







VIII. LUXATION OF THE HEAD OF THE HUMERUS.

Anatomy of articulation.

Liability.—Very great, from the small size of the articulating surface ; the weakness of its ligaments ; the freedom of its motions ; its constant exposure ; and from its subjection to the influence of several muscles.

Direction of displacement.—Downwards, forwards, backwards, and partially upwards and forwards. Displacement directly upwards, to any extent, cannot occur without fracture of the acromion. Explain the *intercostal* and *thoracic* luxations mentioned by Larrey and Percy.

I. DOWNWARD LUXATION.

*Causes.**Symptoms.*

Diagnosis.—May be confounded with fracture of *cervix scapulæ*, fracture of the neck of humerus, bruises, paralysis of the muscles, and dislocation of the biceps tendon.

*Prognosis.**Dissection.*

Complications.—Great swelling ; emphysema ; inflammation ; paralysis of muscles.

Treatment.—General indications.

- a. Fix the scapula.
- b. Relax the muscles.
- c. Draw the head of the bone to its cavity.

General methods.

- a. Simple elevation of the arm.
- b. Lifting the head of the bone while the arm is abducted.
- c. Mothe's plan, or rather, Mr. White's.
- d. Extension with heel in the axilla.
- e. Pullies and bands.
- f. Reducing apparatus of different kinds.
- g. Mydiotomy.

It may be necessary to use *constitutional* remedies in combination with either of these plans.

II. FORWARD LUXATION.

*Causes.**Symptoms.**Diagnosis.**Prognosis.**Dissection.**Complications.*

Treatment.—Reduce to the first, and then employ the means already indicated.

III. BACKWARD LUXATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Complications.

Treatment.—Reduce to the first, and then employ the measures already pointed out as efficient in the reduction of the former.

IV. PARTIAL, OR SUBLUXATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. DISLOCATION OF THE BICEPS TENDON.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IX. LUXATION AT THE ELBOW JOINT.

Anatomy of the joint.

Liability.

Direction of displacement.—Backwards and upwards of both bones; lateral of both bones; forwards of both bones; forwards of the head of the radius; backwards of the head of the radius; imperfect luxation of the head of the radius; upwards of the superior extremity of the ulna.

I. BACKWARDS AND UPWARDS OF BOTH BONES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

II. LATERAL DISPLACEMENT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

Luxation at Elbow Joint

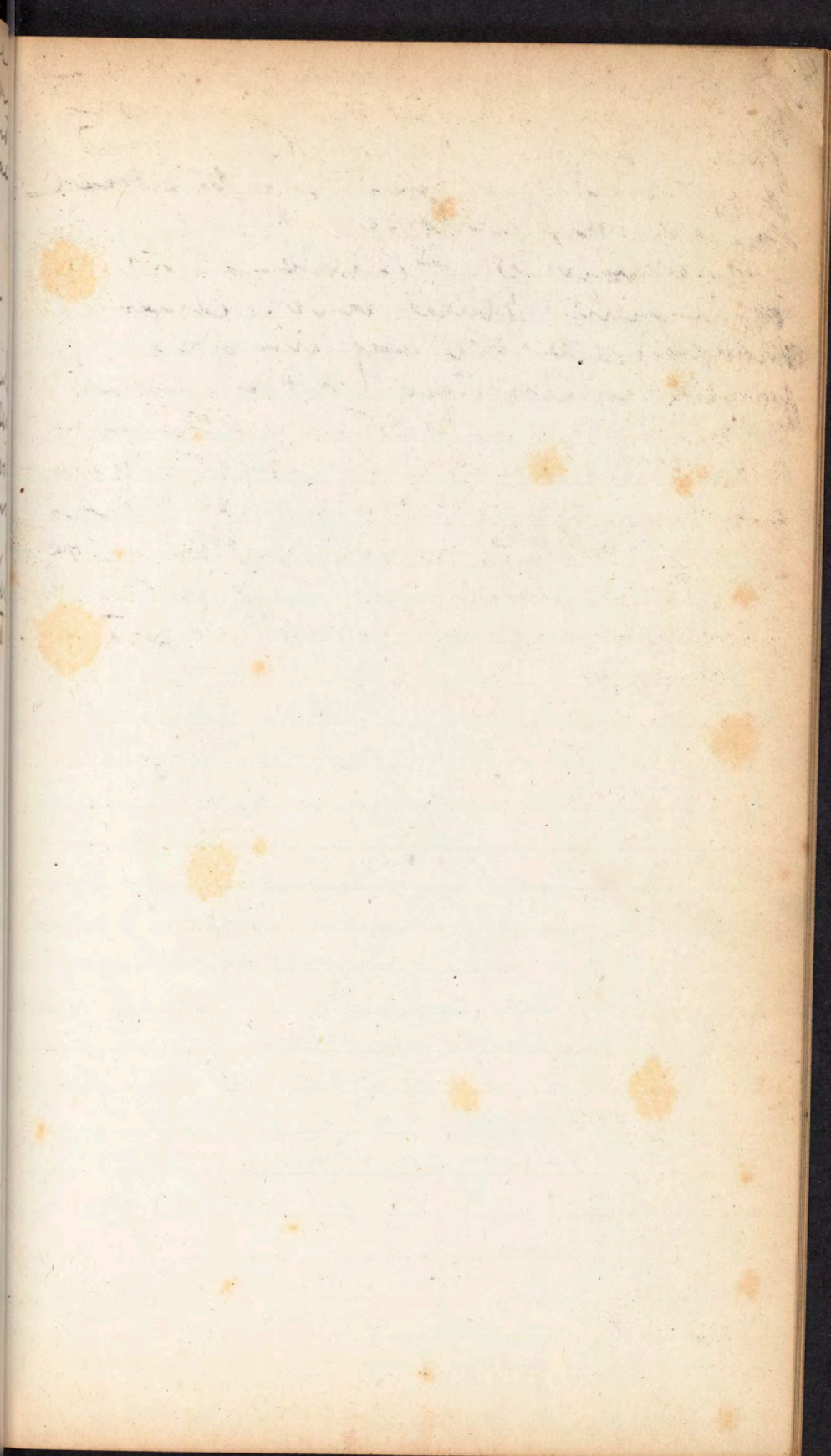
1. By falls on hand when arm in state of flex. forearm shortened flexed, tumor before and behind - rigidity and tenderness of Brachialis ant. and O. Flex muscles which resist efforts to reduce if called immediately poss. easy but if some time has elapsed swelling setting in almost impossible. To reduce paralysis of muscles by pulling in line by displace - where they fail resort to pulley -

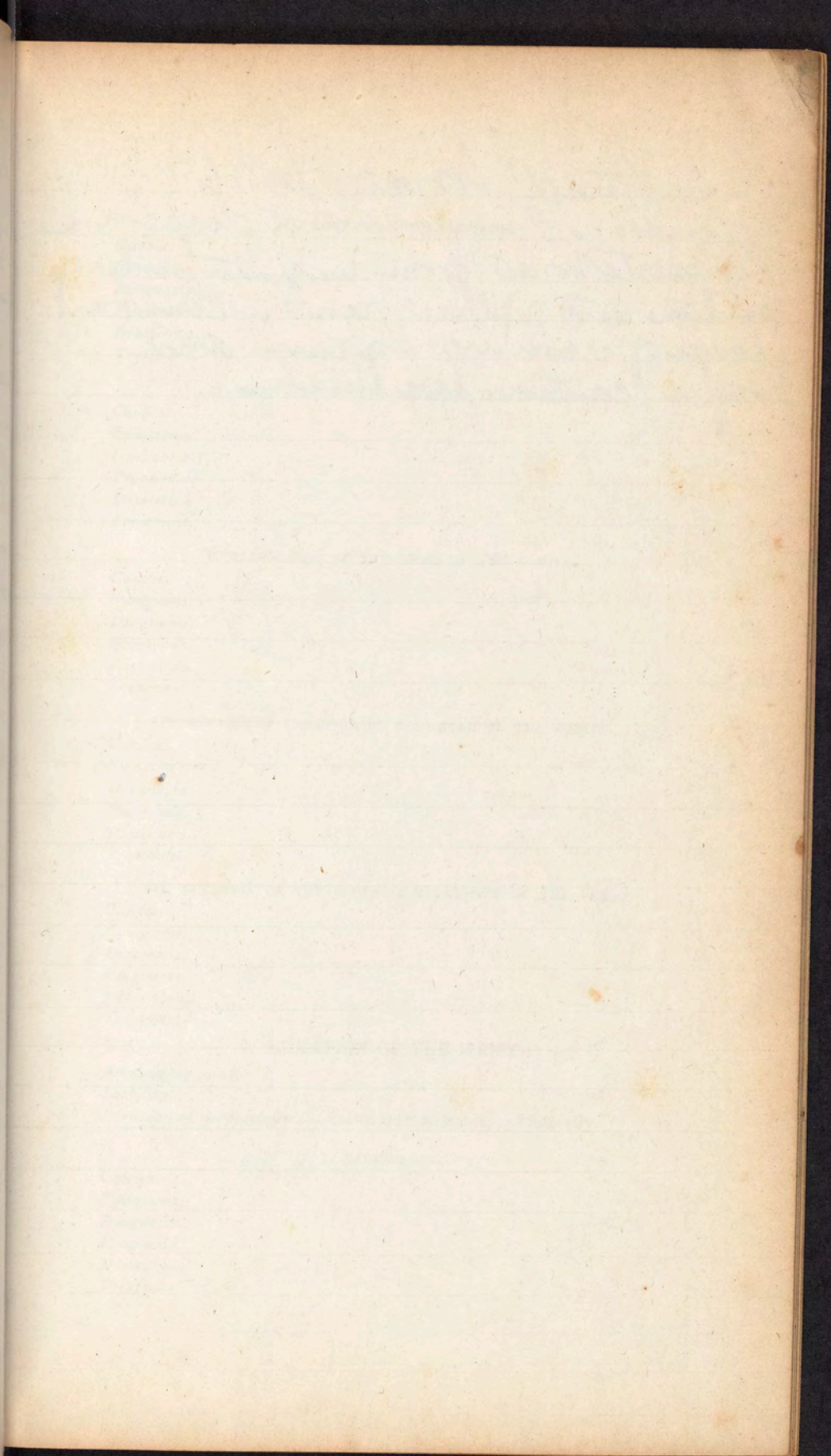
Dislocation of Radius on cond of Humerus and fracture of Elbow Joint set Extend forearm in arm and put on same splint that is used in fracture of Fore Arm -

Upper End of Radius forward and backward - backward lux supposes to be great no - Back head thrown out and back by muscular action - or by fall - the intussusceptions lay on - as the hand rigidly prone - rotate hand and can feel the corner on condyle rotate - to reduce flex fore arm - put finger on tumor pull in line of displace then pushing tumor with thumb

and turn the hand around Supine -
the thumb forwards - the arm or
fore part of condyle - and
hand is supine - to reduce
much more difficult.

Backward of ulna - the
deformity. Very peculiar -
the radius stationary inside of
forearm shortened hand points
towards body - making extension
counter extension - lifting with
set to. Subluxation of head
of head radius by interlocking
two bones - Bring hand into proper
position and press down head
of radius.





Luxations of Wrist Joint -
Extension in line of displace
Separate bones from in natural
position and replace hand. Constant
danger of recurring again - and
exercise caution patient -

III. FORWARD DISPLACEMENT.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

IV. FORWARDS OF THE HEAD OF THE RADIUS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

V. BACKWARDS OF THE HEAD OF THE RADIUS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

VI. IMPERFECT LUXATION OF THE HEAD OF THE RADIUS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

VII. LUXATION OF THE SUPERIOR EXTREMITY OF THE ULNA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

X. LUXATION OF THE WRIST.

Anatomy of joint.
Liability.
Direction of displacement.—Backwards, forwards, and laterally.

I. BACKWARDS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

II. FORWARDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. LATERAL.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IV. LUXATION OF THE LOWER EXTREMITY OF THE ULNA.

Causes.

Varieties.—Backwards and forwards.

Symptoms of each.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XI. LUXATION OF CARPAL BONES.

Anatomy of joint.

Liability.

Direction of displacement.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XII. LUXATION OF METACARPAL BONES.

Anatomy of these joints.

Liability.—The first is usually the only one displaced.

Direction of displacement.

Causes.

Symptoms.

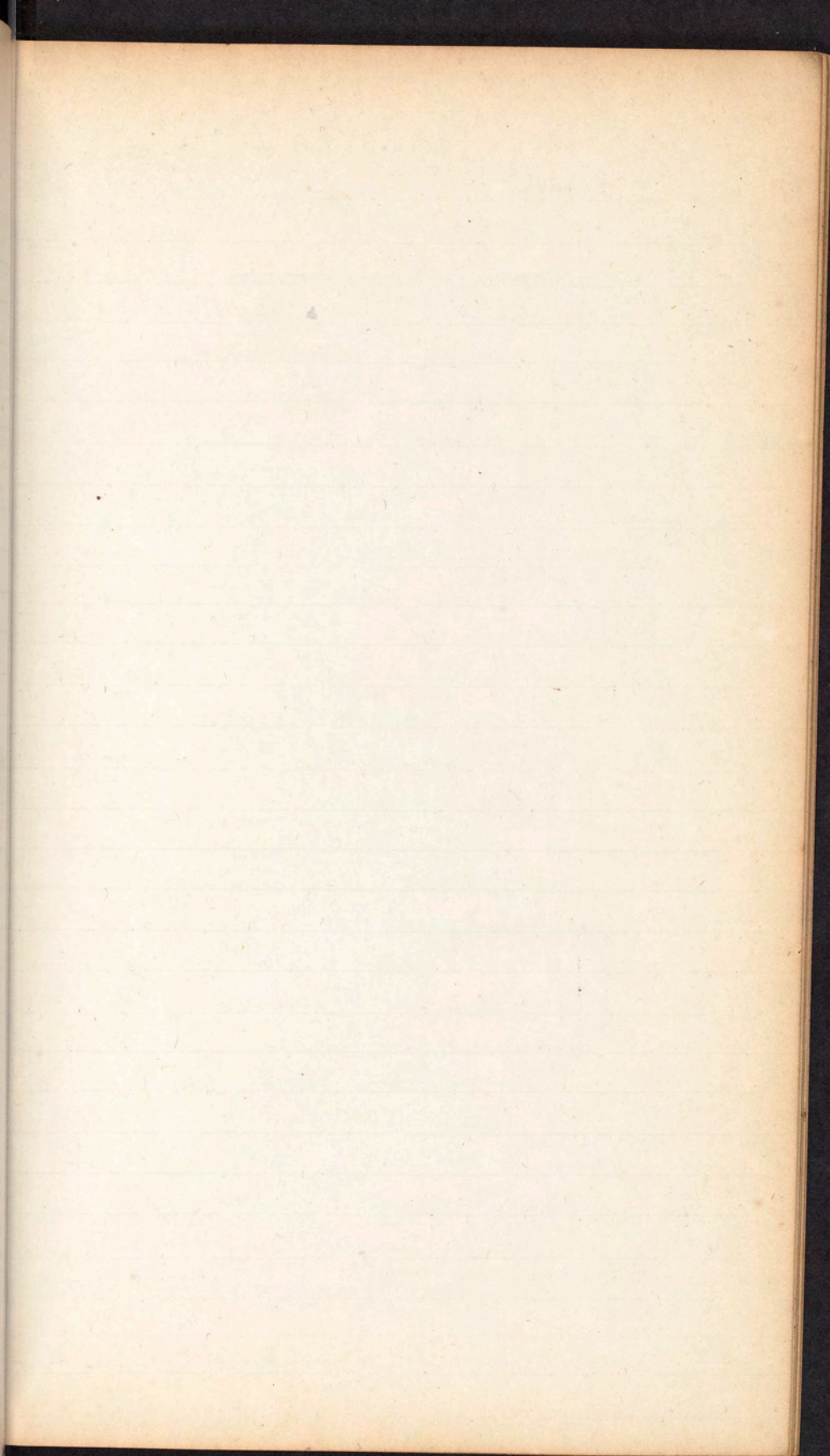
Diagnosis.

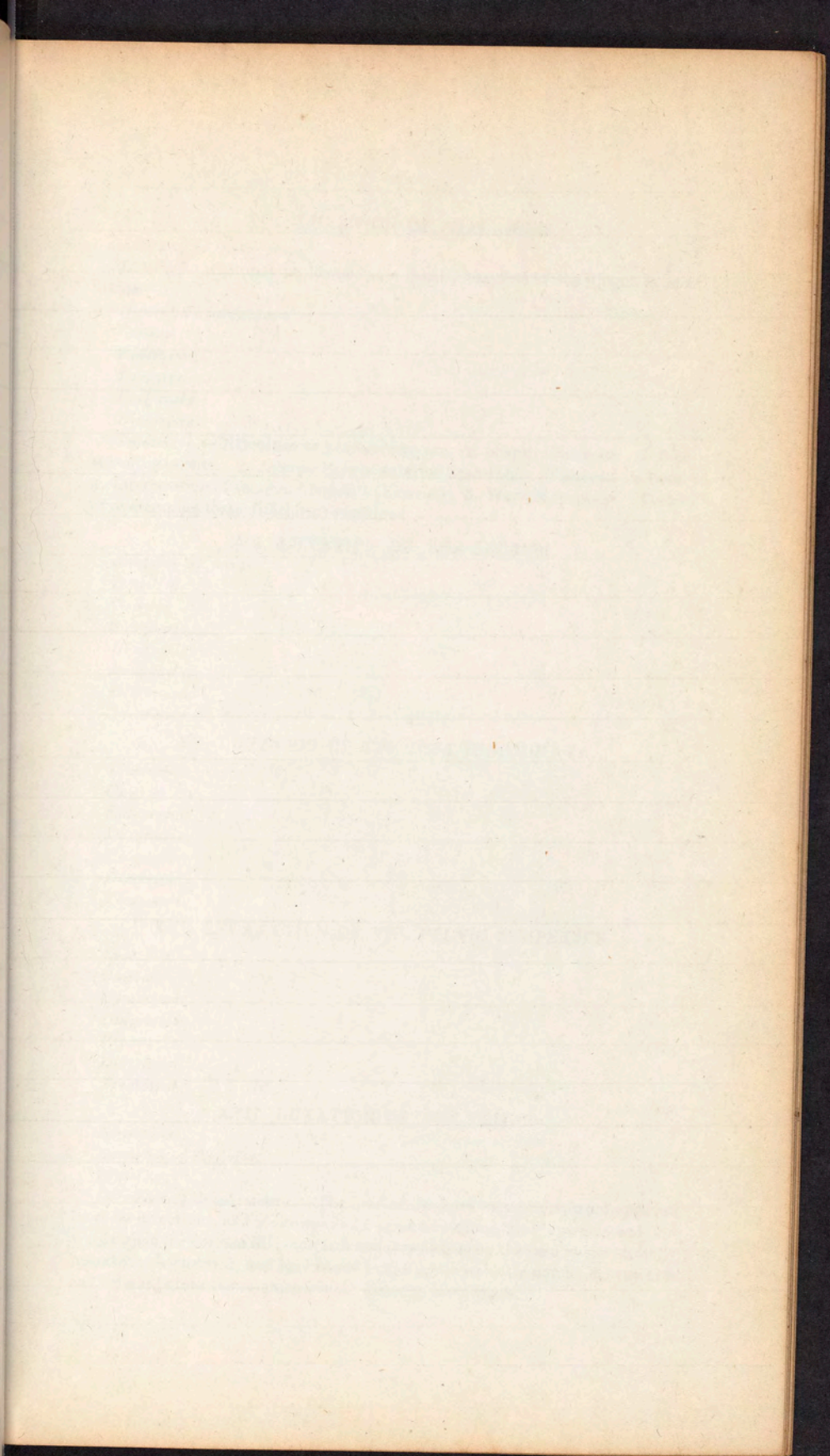
Prognosis.

Dissection.

Treatment.

Luxation of Carpal bones - will
sometimes confound the diagnosis of luxation
of lower extremity of the Ulna - the pisiform
bone being broken off -





XIII. LUXATION OF PHALANGES.

Anatomy of these joints.

Liability.—All may be luxated, but usually the first of the thumb is most liable.

Direction of displacement.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—Difficulties to be overcome are, 1. Shape of the bone. 2. Binding of ligaments. 3. Interposition of anterior ligaments. (Vidal and Pailleux.) 4. Interposition of sesamoid bones. (Lawrie.) 5. Want of leverage. Manner of overcoming these difficulties explained.

XIV. LUXATION OF THE SACRUM.

Anatomy of joint.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XV. LUXATION OF THE OSSA INNOMINATA.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XVI. RELAXATION OF THE PELVIC SYMPHYSES.

Liability.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XVII. LUXATION OF THE FEMUR.

Importance.

Anatomy of the joint.

Liability.

Direction of displacement.—The head of the bone may be displaced upwards in three directions, and downwards in three directions, viz.: upwards and forwards upon the dorsum ilii; upwards and forwards upon the ossa pubis; directly upwards; downwards, and backwards in the upper ischiatic notch; downwards and forwards into the foramen ovale; directly downwards.

I. UPWARDS AND BACKWARDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—General indications.

a. Fix the pelvis.

b. Draw the head of the bone towards its cavity.

c. Make use of the different muscles to assist in the reduction.

d. Employ constitutional remedies to relax the muscles.

General methods.

a. Bands and pullies.

b. Apparatus.

II. UPWARDS AND FORWARDS ON THE OSSA PUBIS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—General indications are the same as in the first variety. The general methods are also the same, but we must vary the direction of our forces.

III. DIRECTLY UPWARDS. (VERY RARE.)

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—The same indications to be observed as above, but vary the direction of the forces to suit the case.

IV. BACKWARDS AND SLIGHTLY DOWNWARDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—General indications the same as above, but the direction of the forces must be varied.

V. FORWARDS AND DOWNWARDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—General indications still the same, but the process must be varied.

Do this by drawing leg forward when feet
the head slipping - and thus throws it
into the cavity of the acet -

Direct up simple extension and
counter -

W - hanging of him no exten
too long already - Take 1

1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894

1895

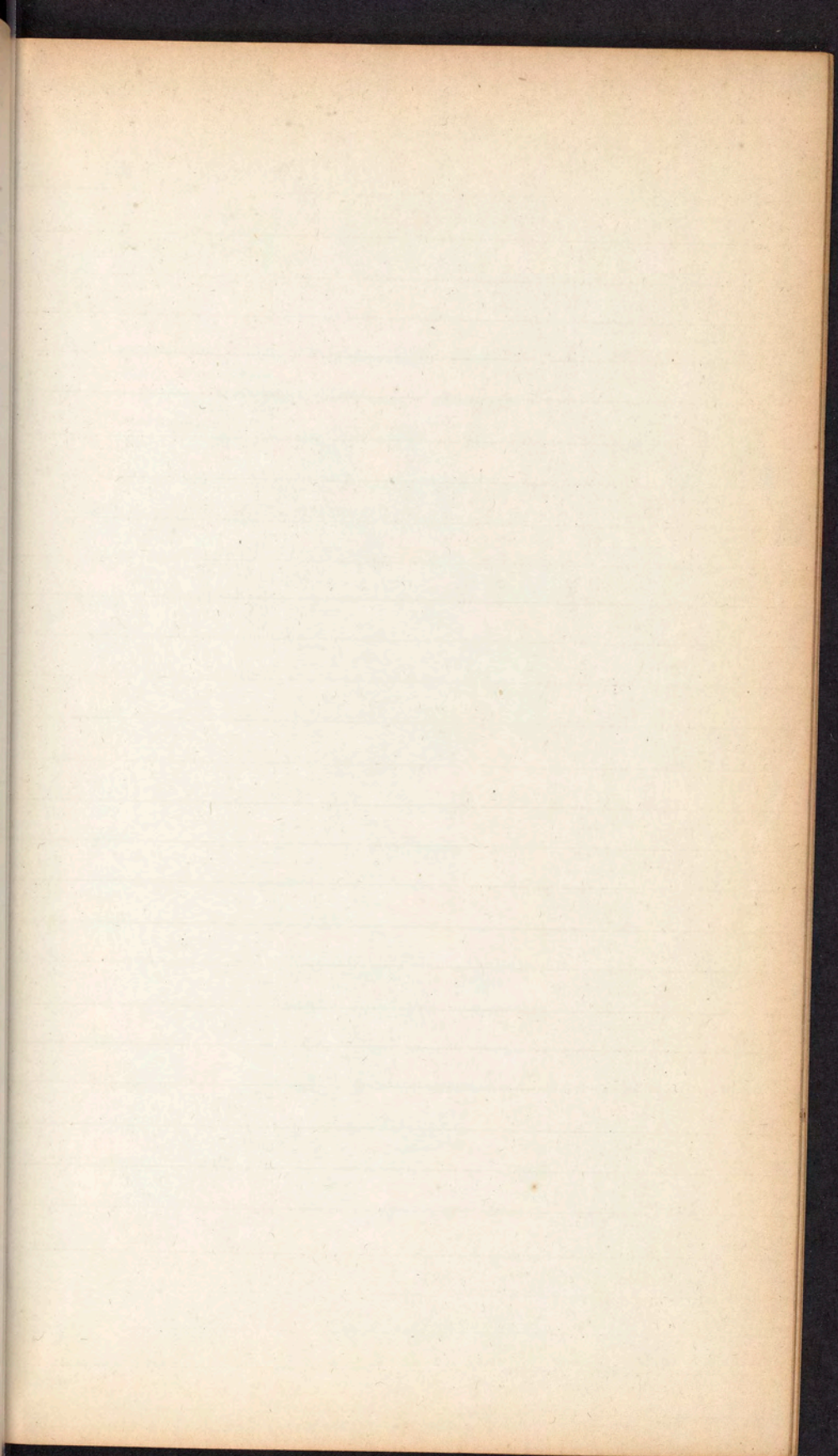
1896

1897

1898

1899

1900



THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME
BY
JOHN HUTCHINGS

IN TWO VOLUMES.
THE FIRST VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE SECOND VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE THIRD VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE FOURTH VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE FIFTH VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE SIXTH VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

THE SEVENTH VOLUME.
CONTAINING THE HISTORY OF THE
CITY OF BOSTON FROM THE FIRST
SETTLEMENT TO THE PRESENT TIME.

VI. DIRECTLY DOWNWARDS. (VERY RARE.)

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—General indications still the same, but we must modify our forces to suit the case.

XVIII. LUXATION OF KNEE.

Importance.

Anatomy of the joint.

Liability.

Direction of displacement.—To render these luxations more clear to the student it will be well to consider those of each constituent of the joint, and first of those of the

I. PATELLA.

Varieties.—1. Outwards; 2. Inwards; 3. On its axis; 4. Upwards; 5. Downwards.

Causes of each.

Symptoms of each.

Diagnosis.

Prognosis.

Dissection.

Treatment.

II. LUXATION OF THE HEAD OF THE TIBIA.

Varieties.—1. Backwards; 2. Forwards; 3. Outwards; 4. Inwards; 5. Subluxation or twist.

Causes.

Symptoms of each.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. INTERNAL DERANGEMENT OF THE KNEE JOINT.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. SUBLUXATION FROM LENGTH OF LIGAMENTS.

Causes.—*Congenital or acquired.*

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. LUXATION OF THE HEAD OF THE FIBULA.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XIX. LUXATIONS OF THE ANKLE JOINT.

Importance.

Anatomy of the joint.

Liability.

Direction of displacement.—Inwards; Outwards; Forwards; Backwards.

I. INWARDS.

Causes.

Complications

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

II. OUTWARDS.

Causes.

Complications.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. FORWARDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IV. BACKWARDS.

Causes.

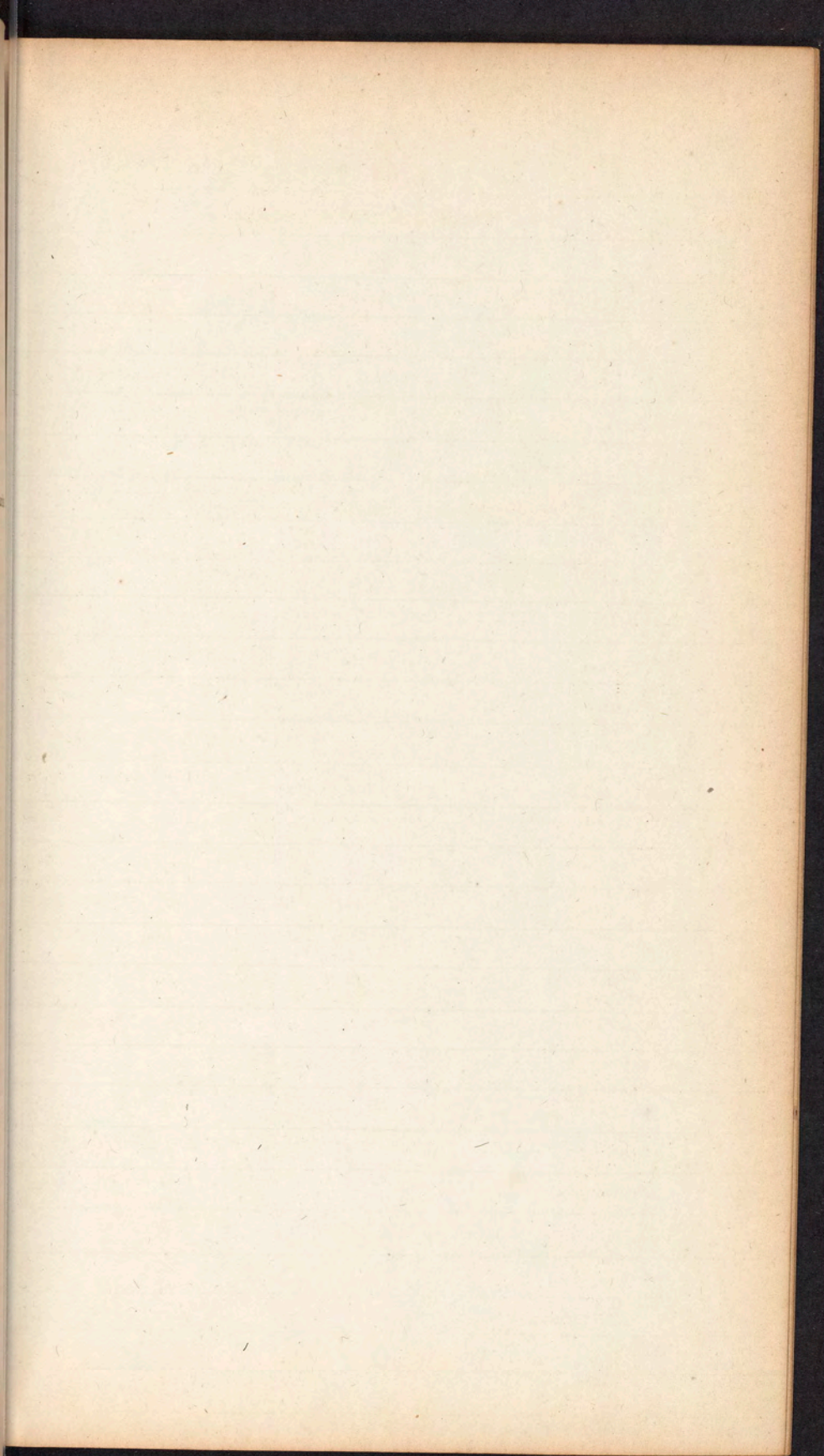
Symptoms.

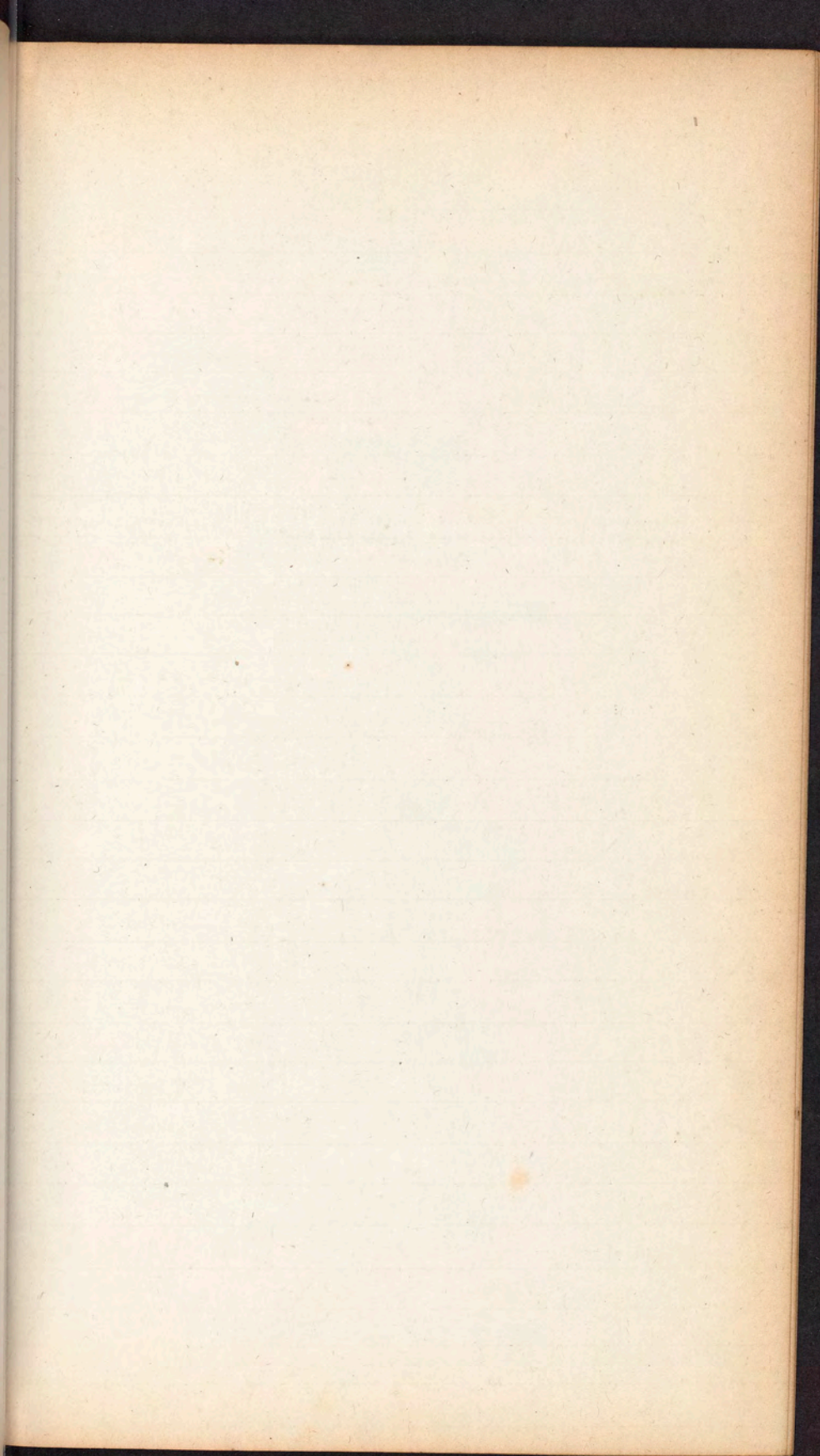
Diagnosis.

Prognosis.

Dissection.

Treatment.





THE HISTORY OF THE UNITED STATES
OF AMERICA

By J. C. CALHOUN
OF THE UNITED STATES SENATE

NEW YORK
PUBLISHED BY
J. C. CALHOUN
1850

THE HISTORY OF THE UNITED STATES
OF AMERICA
By J. C. CALHOUN
OF THE UNITED STATES SENATE
NEW YORK
PUBLISHED BY
J. C. CALHOUN
1850

THE HISTORY OF THE UNITED STATES
OF AMERICA
By J. C. CALHOUN
OF THE UNITED STATES SENATE
NEW YORK
PUBLISHED BY
J. C. CALHOUN
1850

THE HISTORY OF THE UNITED STATES
OF AMERICA
By J. C. CALHOUN
OF THE UNITED STATES SENATE
NEW YORK
PUBLISHED BY
J. C. CALHOUN
1850

XX. LUXATION OF THE TARSAL BONES.

I. ASTRAGALUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

II. THE CUNEIFORM, ETC.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XXI. LUXATION OF THE METATARSAL BONES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

Eighth Head.

XXII. LUXATION OF THE PHALANGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

CONGENITAL LUXATION.

Definition.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

III. DISEASES OF THE FIBROUS SYSTEM.

Some of the affections of this system have been included under the diseases of the joints; for example, Desmodia, and Desmectasis: others belong more particularly to the practice of medicine than to surgery, as rheumatism, &c. The diseases usually considered as strictly surgical are—

I. PERIOSTITIS.

Definition.

Varieties.—1. Acute. 2. Chronic.

Causes.—1. Local. 2. Constitutional.

First, or local;

a. Contusions.

b. Punctures.

c. Incisions.

d. Extension of inflammation from diseased organs in the vicinity.

Second, or constitutional:

a. Syphilis.

b. Excessive use of mercury.

c. Scrofula.

d. Cold.

Symptoms.—1. Local. 2. Constitutional.

Diagnosis.—May be confounded with ostitis, caries, necrosis, rheumatism, or gout.

Prognosis.—Varies in different cases. Usually the cure is tedious; it may nevertheless be considered a very curable disease.

Dissection.—The post-mortem appearances depend on the intensity and duration of the attack.

Terminations.—Resolution, suppuration, effusion of lymph; inflammation, caries or necrosis of the subjacent bone; conversion of the membrane into cartilage or bone.

Treatment.—The remedies are divided into *general* and *local*. Both are modified by the circumstances of the case.

First, or general.

1. Bloodletting.

2. Active purgation.

3. Low diet.

4. Mercurials.

5. Preparations of iodine, especially the iodide of potassium.

6. Decoctions of the woods.

Second, or local.

1. Leeches.

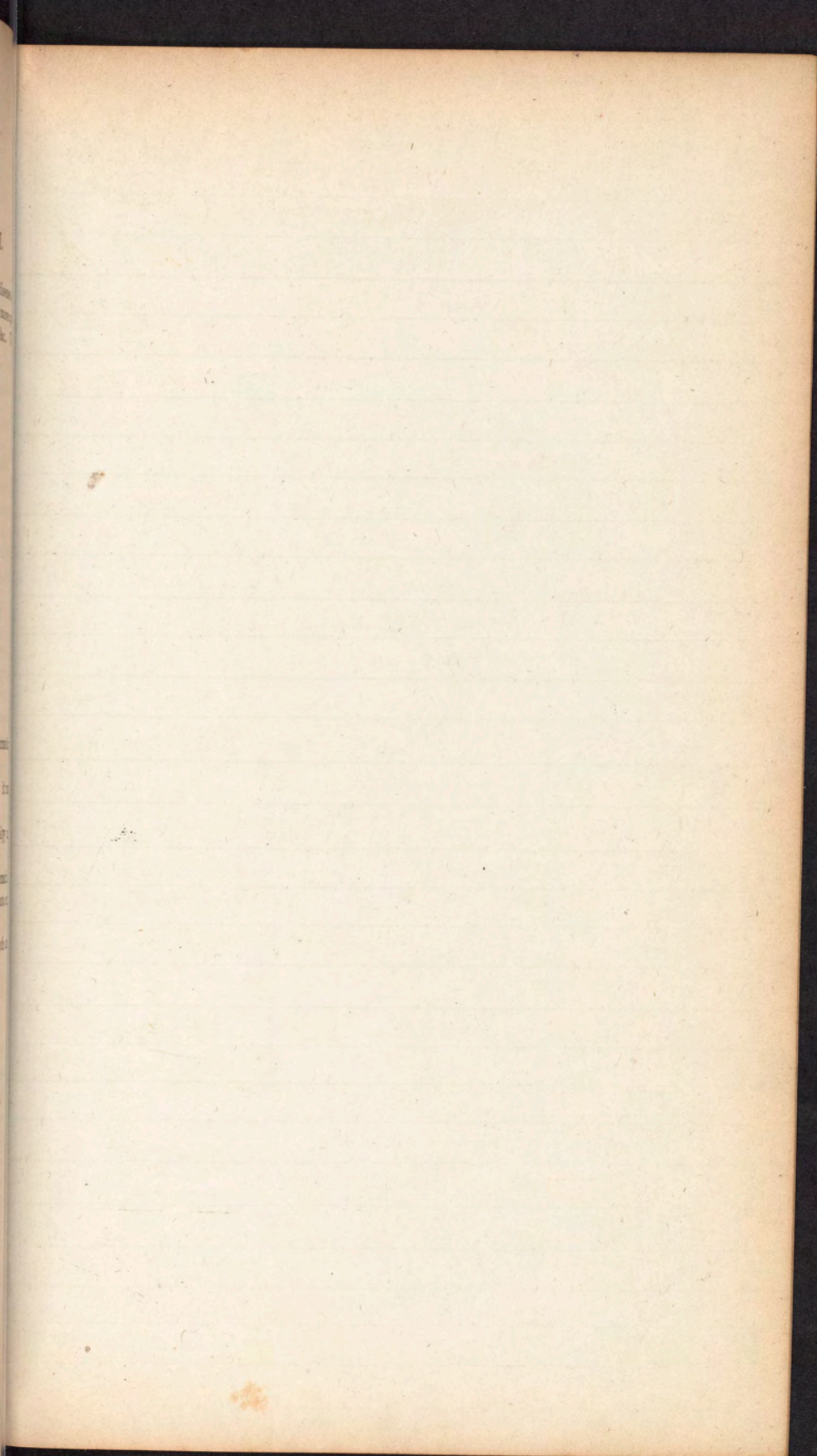
2. Free incisions.

3. Poultices and fomentations.

4. Blisters.

5. Iodine, or mercurial frictions.

6. Wool and oil-silk dressing.



THE HISTORY OF THE UNITED STATES

The history of the United States is a story of growth and development. It begins with the first settlers who came to the continent, and it ends with the present day. The story is one of struggle and triumph, of hope and despair. It is a story that has shaped the world as we know it.

The first settlers came to the continent in the early 17th century. They were men of courage and vision, who sought a new life in a new land. They found a land of opportunity, and they made the most of it. They built a nation, and they gave the world a new model of government.

The nation grew and grew, and it became a power to be reckoned with. It fought wars, and it won wars. It expanded its territory, and it became a world power. It was a nation of dreams, and it made those dreams a reality.

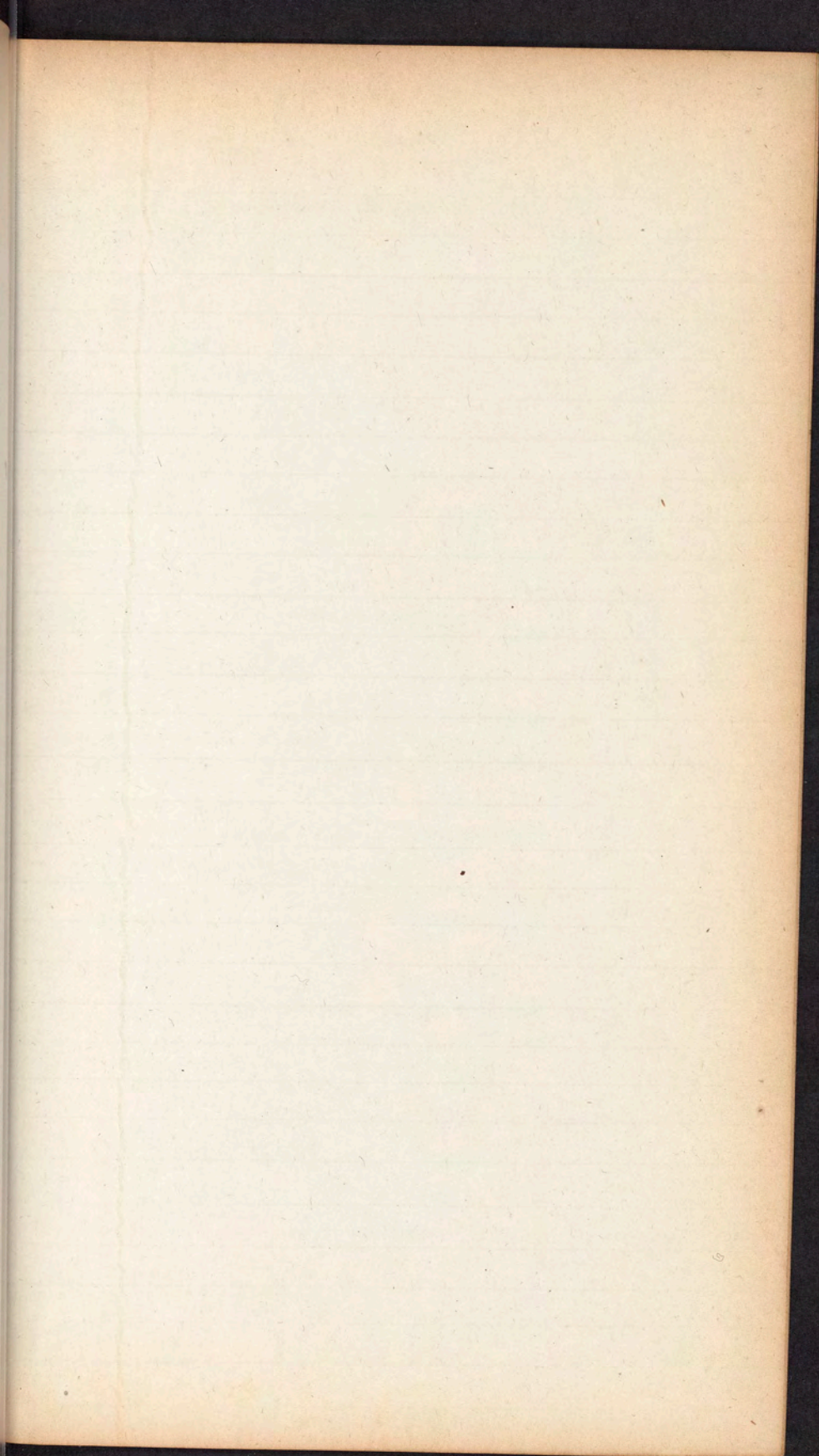
The nation was not without its problems, but it always found a way to overcome them. It was a nation of resilience, and it always came back stronger than before. It was a nation of progress, and it always moved forward.

The nation was a beacon of hope for the world. It showed the world that a better life was possible, and it inspired the world to strive for a better future. It was a nation of ideals, and it lived those ideals.

The nation was a source of pride for its people. They loved their country, and they were proud of what it had achieved. They were proud of the freedom they enjoyed, and they were proud of the progress they had made.

The nation was a source of inspiration for the world. It showed the world that a better life was possible, and it inspired the world to strive for a better future. It was a nation of dreams, and it made those dreams a reality.

The nation was a source of pride for its people. They loved their country, and they were proud of what it had achieved. They were proud of the freedom they enjoyed, and they were proud of the progress they had made.



III. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

IV. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

V. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

VI. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

VII. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

VIII. THE STATE

1. The State

2. The State

3. The State

4. The State

5. The State

6. The State

7. The State

II. PARONYCHIA, OR WHITLOW.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Terminations.

Treatment.

III. TYROMA.

Definition.

Varieties.—Partial or general.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Terminations.

Treatment.

IV. CHONDROMA.

Definition.

Varieties.—Partial or general.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Terminations.

Treatment.

V. OSSIFICATION OF THE PERIOSTEUM.

Varieties —Partial or general.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VI. MALIGNANT DISEASES OF THE PERIOSTEUM.

Like all other organized tissues, the periosteum is liable to be attacked by the various diseases termed *malignant*, the characteristics of which have already been or will be described under other heads.

VII. WOUNDS OF FASCIA OR APONEUROSIS.

Varieties of wounds.

Symptoms.

Diagnosis.

Prognosis.

Terminations.—Inflammation, sloughing, suppuration, adhesions, contractions.

Treatment.

VIII. CONTRACTION OF FASCIA.

The numerous fasciæ and aponeuroses in different parts of the body, are all liable to undergo a *chronic thickening and contraction*, from which results a variety of deformities, many of them very difficult to relieve, and others entirely incurable. Ghidella and Froriep were among the first to describe these affections with any thing like method or correctness, although the disease was long since spoken of by the ancients, as "*crispatura tendinum!*" Sir A. Cooper, Dupuytren, Goyraud, and most of the recent authorities in orthopedic surgery, have likewise carefully and correctly explained the nature of the defect, and also the most approved methods of treatment. We shall describe briefly the most important of the deformities resulting from this cause.

I. CONTRACTION OF THE FASCIA PALMARIS.

Anatomy of the fascia of the palm of the hand.

Deformity produced by the contraction of the fascia, or fibrous cords attached to its inferior margin.—(Dupuytren and Goyraud.)

Fingers usually involved.

Causes of the contraction.—1. Congenital. 2. Acquired: and according to Dupuytren, the defect is occasionally *hereditary*.

Diagnosis.—May be confounded with retraction of the fingers dependent on other causes; as contraction of the flexor tendons, cicatrices, &c.

Prognosis.—By no means in every case favorable. It is, however, often susceptible of relief.

Effects on the adjacent muscles, tendons and ligaments.

Treatment.—Three modes of treatment. 1. Mechanical extension. 2. Frictions. 3. Subcutaneous section, followed by mechanical extension. The merits of these methods discussed.

II. CONTRACTION OF THE FASCIA CUBITI.

Anatomy of the part.

Deformity produced by the contraction of the Fascia.

Causes.—1. Congenital. 2. Acquired.

Diagnosis.—May be confounded with contraction of the tendons of the biceps and brachialis internus muscles, and inflammation of the joint.

Prognosis.

Effects on the other constituents of the articulation.

Treatment.—The same general methods are applicable here, that are employed in the other fascial contractions.

III. CONTRACTION OF THE FASCIA PLANTARIS.

Anatomy of the sole of the foot.

Deformity produced by the contraction of the fascia.

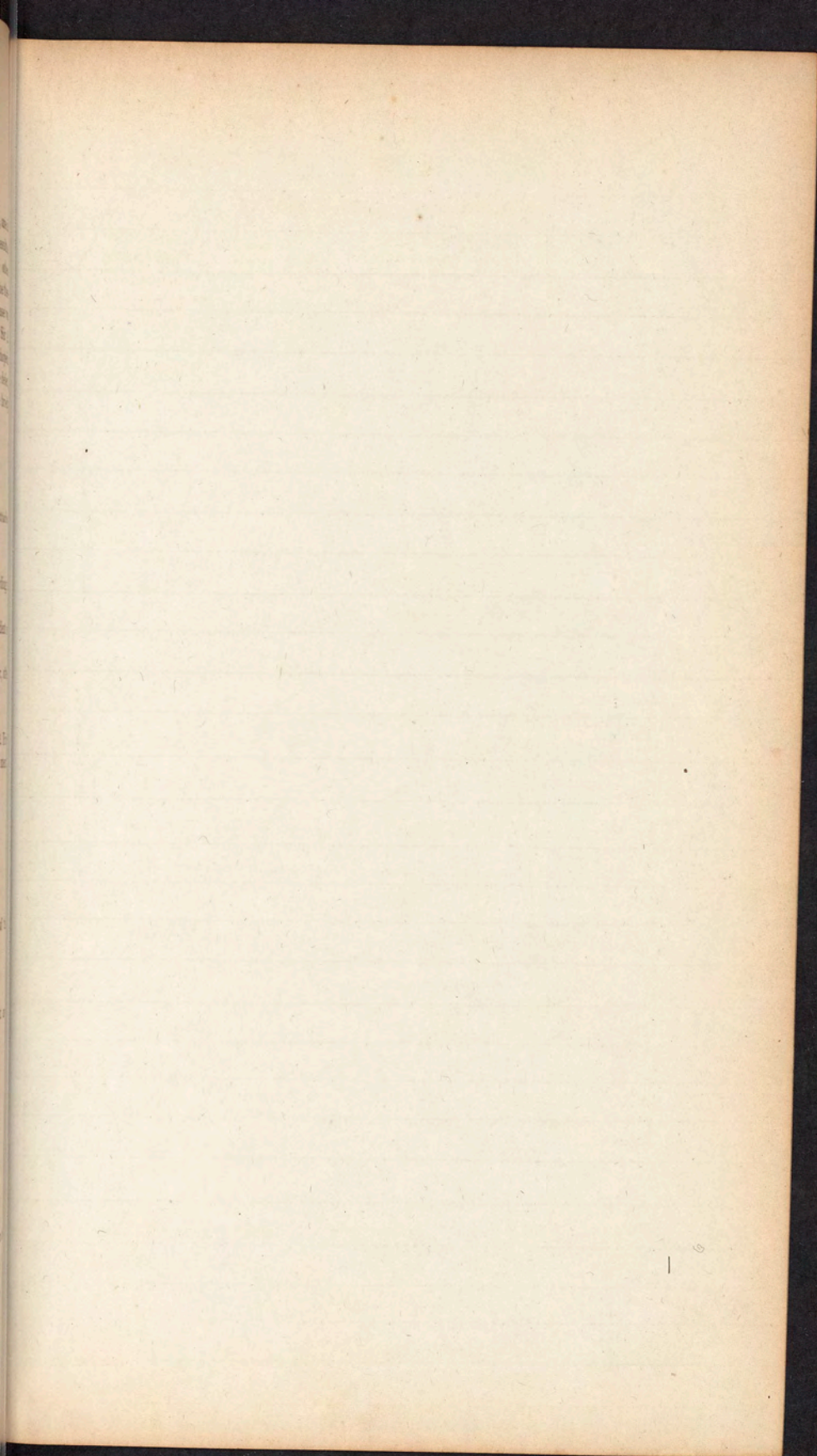
Causes.—1. Congenital. 2. Acquired.

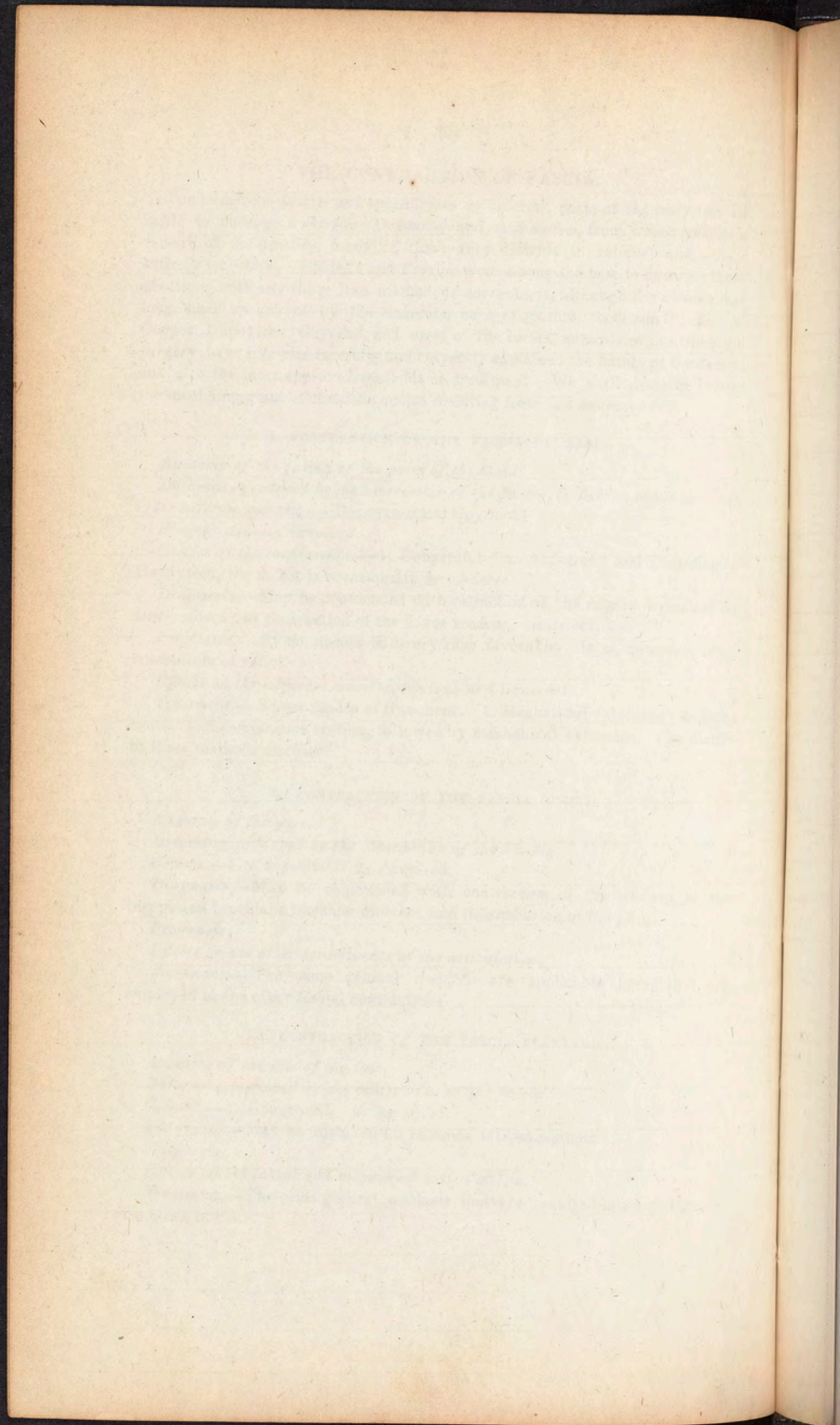
Diagnosis.—May be mistaken for common talipes equinus.

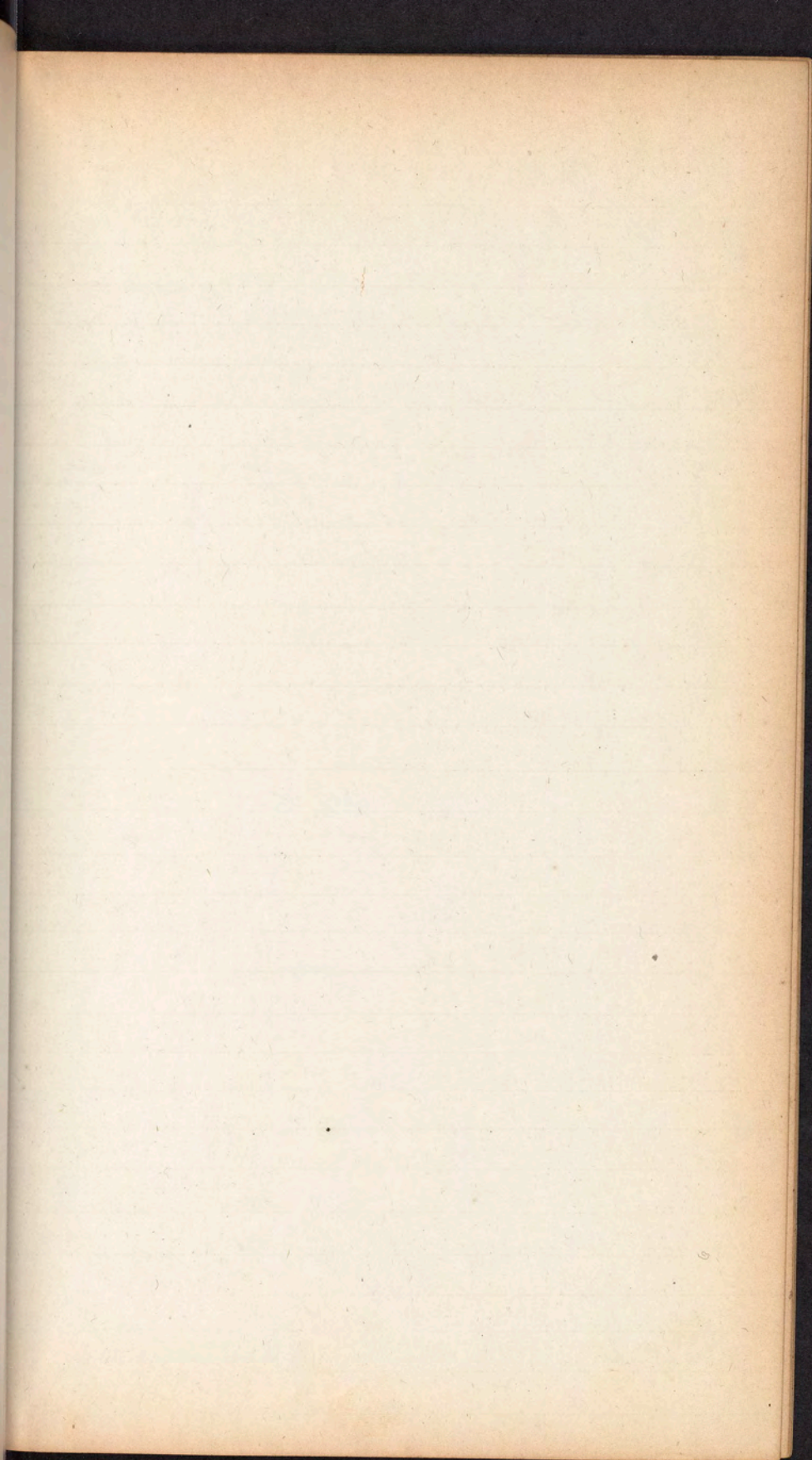
Prognosis.

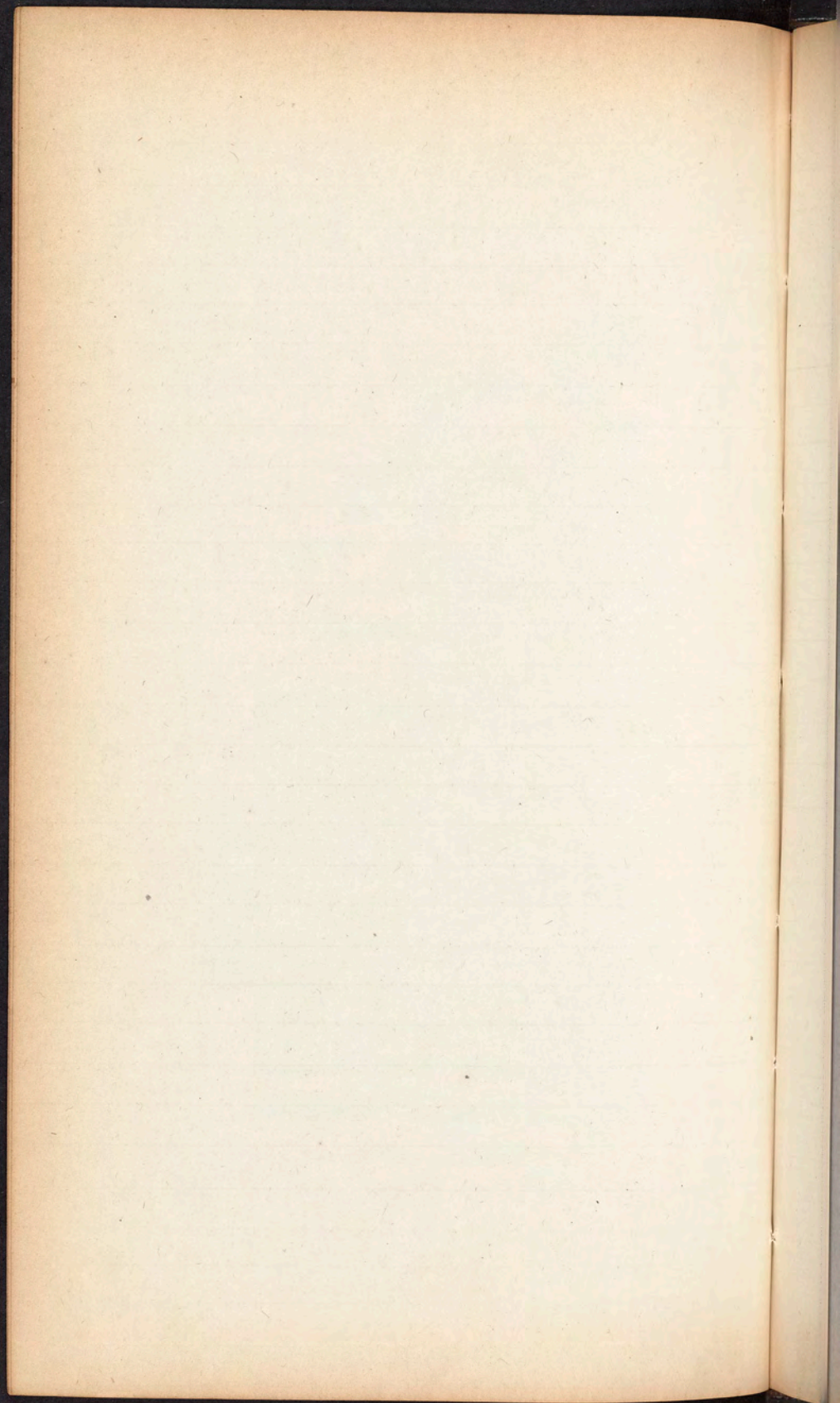
Effects on the tarsal and metatarsal articulations.

Treatment.—The same general methods that are required in contraction of the other fascia.









CHAPTER I. OF THE NATURE AND CAUSES OF THE DISEASES OF THE LUNGS.

SECTION I. OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

IV. DISEASES OF THE LUNGS.

SECTION I. OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

SECTION II. OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

SECTION III. OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

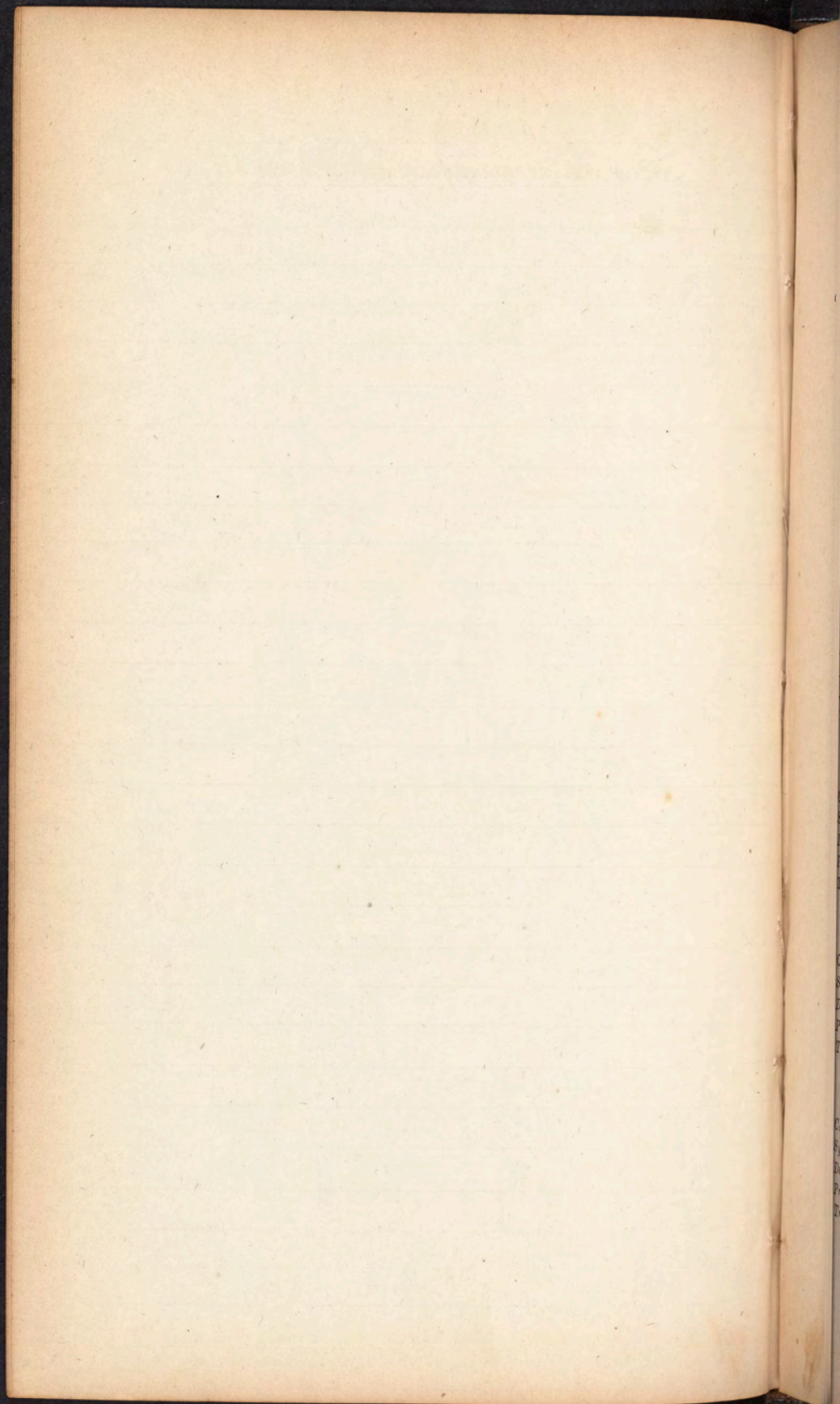
OF THE NATURE AND CAUSES OF THE PNEUMONIA.

SECTION IV. OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.

OF THE NATURE AND CAUSES OF THE PNEUMONIA.



IV. CONTRACTION OF THE FASCIA LATA AT THE KNEE.

Anatomy of the joint.

Deformity produced by the contraction of the fascia.

Causes.—1. Congenital. 2. Acquired.

Diagnosis.—May be confounded with contractions of the tendons and muscles, and also inflammation of the joint.

Prognosis.

Effects on the articulation.

Treatment.—The same general methods hold good here.

IV. DISEASES OF THE BURSÆ MUCOSÆ.

I. WOUNDS OF THE BURSÆ.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

II. INFLAMMATION OF THE BURSÆ.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

III. ABSCESS OF THE BURSÆ.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. HYDROPS BURSÆ.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

V. CARTILAGINOUS FORMATIONS IN THE BURSÆ.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VI. GANGLION.

Definition.—Encysted tumor formed in the course of a tendon or its fibrous sheath.

Symptoms.

Causes.

Pathology.

Joints most liable.

Diagnosis.

Prognosis.

Treatment.

1. Stimulating friction and blisters; 2. Compression; 3. Seton; 4. Puncture followed by compression; 5. Rupture of Cyst; 6. Acupuncture; 7. Extirpation.

VII. BUNYON.

Definition.—An inflammation with thickening of the bursa mucosa on the inside of the great toe.

Causes.

Symptoms.

Prognosis.

Diagnosis.—Dislocation from Gout and Rheumatism.

Treatment.—When *acutely* inflamed, leech, and apply cold or warm poultices, and elevate the foot; when *chronic* inflammation takes place, blister and use iodine locally, and avoid pressure on the foot; when *suppuration* takes place, let out the pus, and apply a poultice.

When the bursa become very troublesome, it may be dissected out. [See Brodie.]

VIII. HOUSEMAID'S KNEE.

Definition.

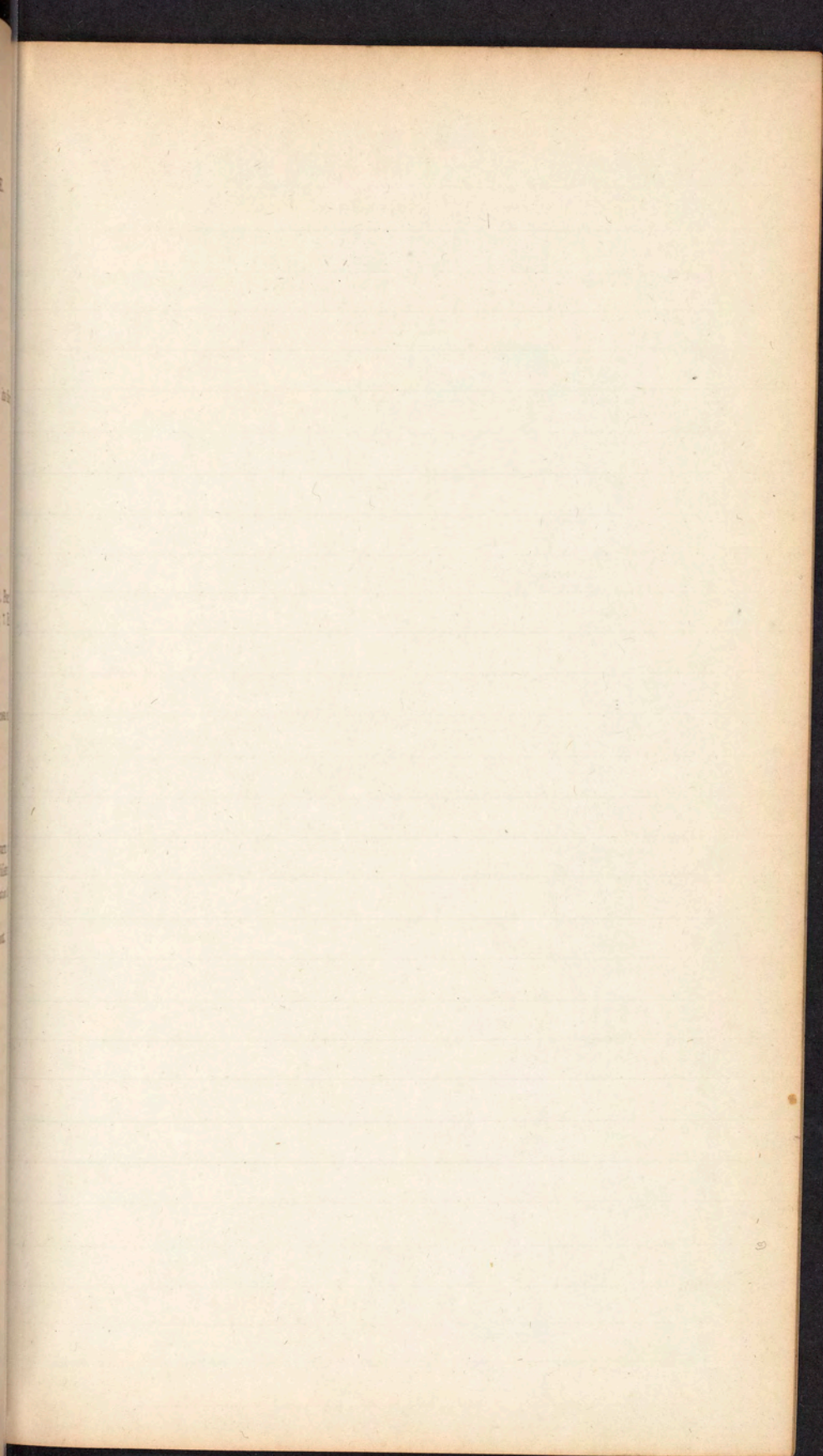
Causes.

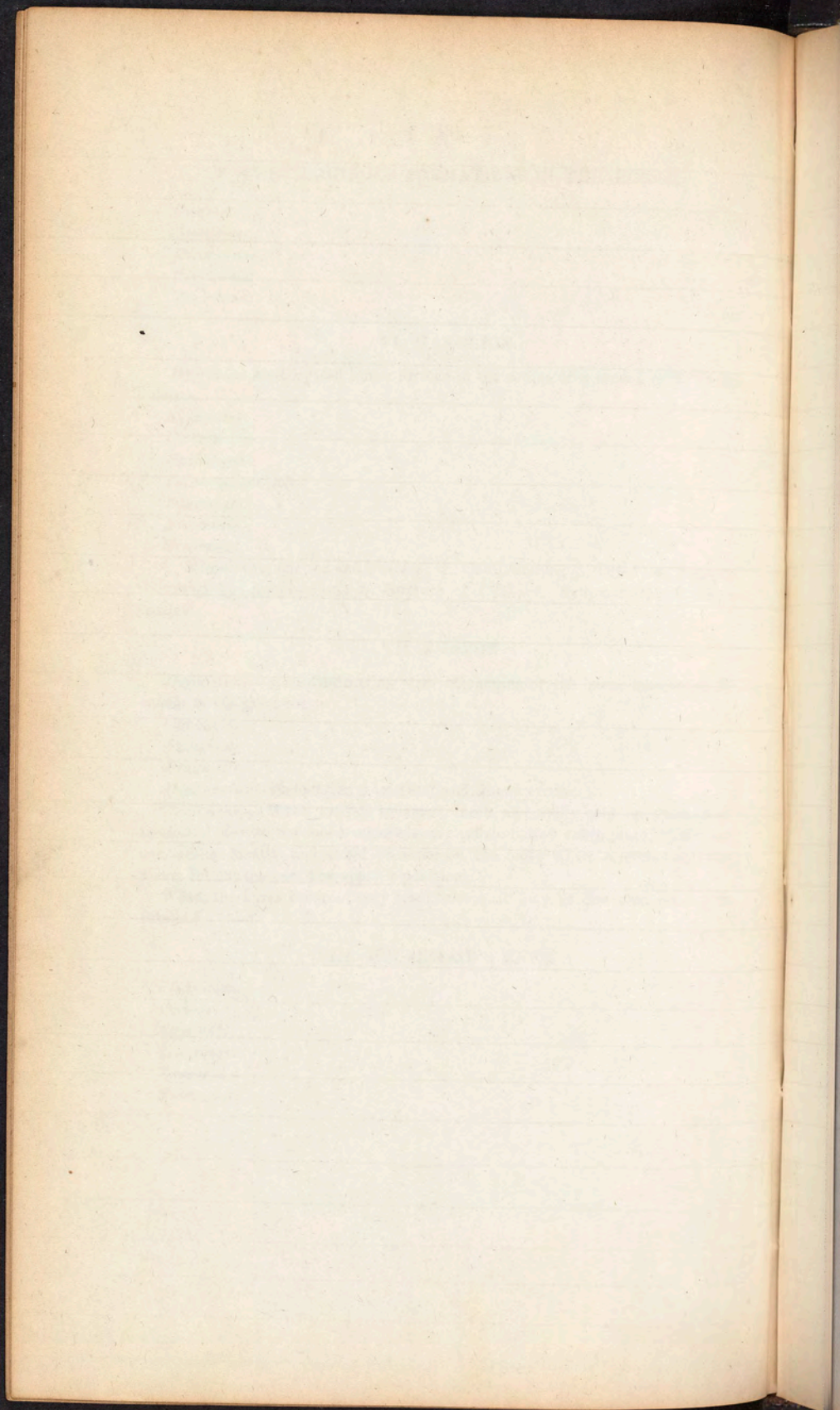
Symptoms.

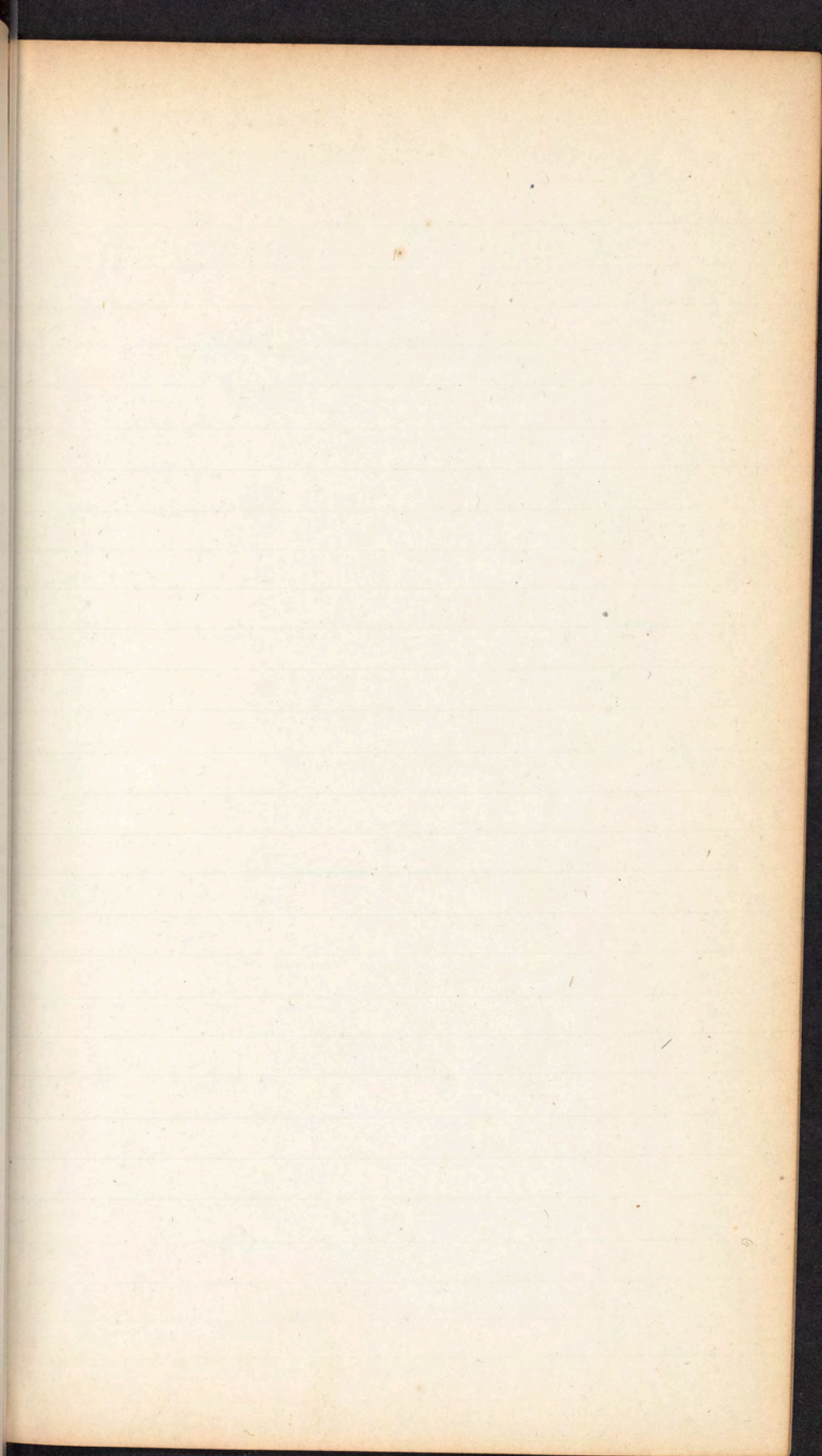
Diagnosis.

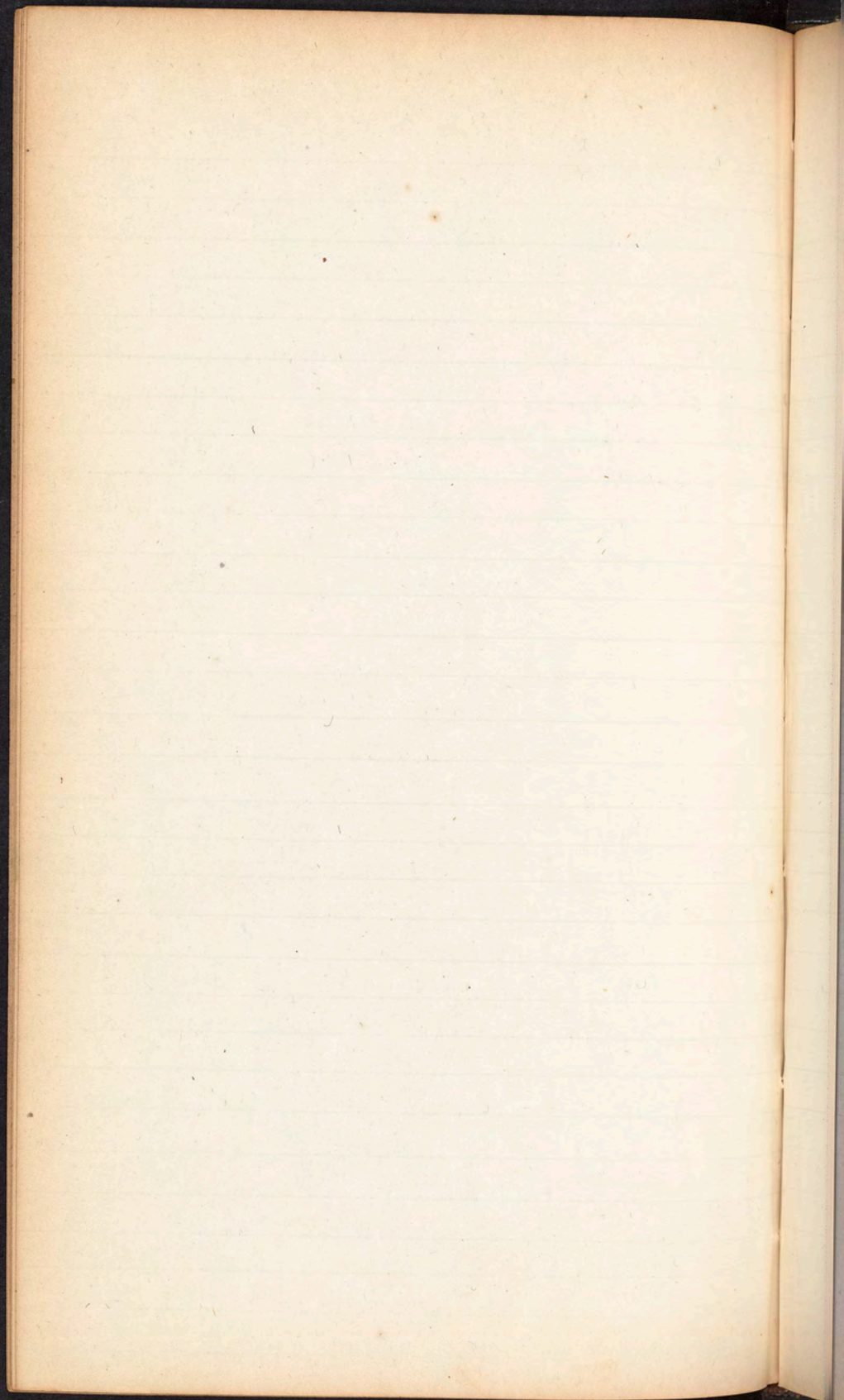
Prognosis.

Treatment.









THE HISTORY OF THE UNITED STATES

CHAPTER I

The first part of the history of the United States is the history of the discovery and settlement of the continent. The discovery of the continent was made by Christopher Columbus in 1492. The settlement of the continent was made by the first European settlers in 1607. The history of the United States is a history of the struggle for freedom and independence.

CHAPTER II

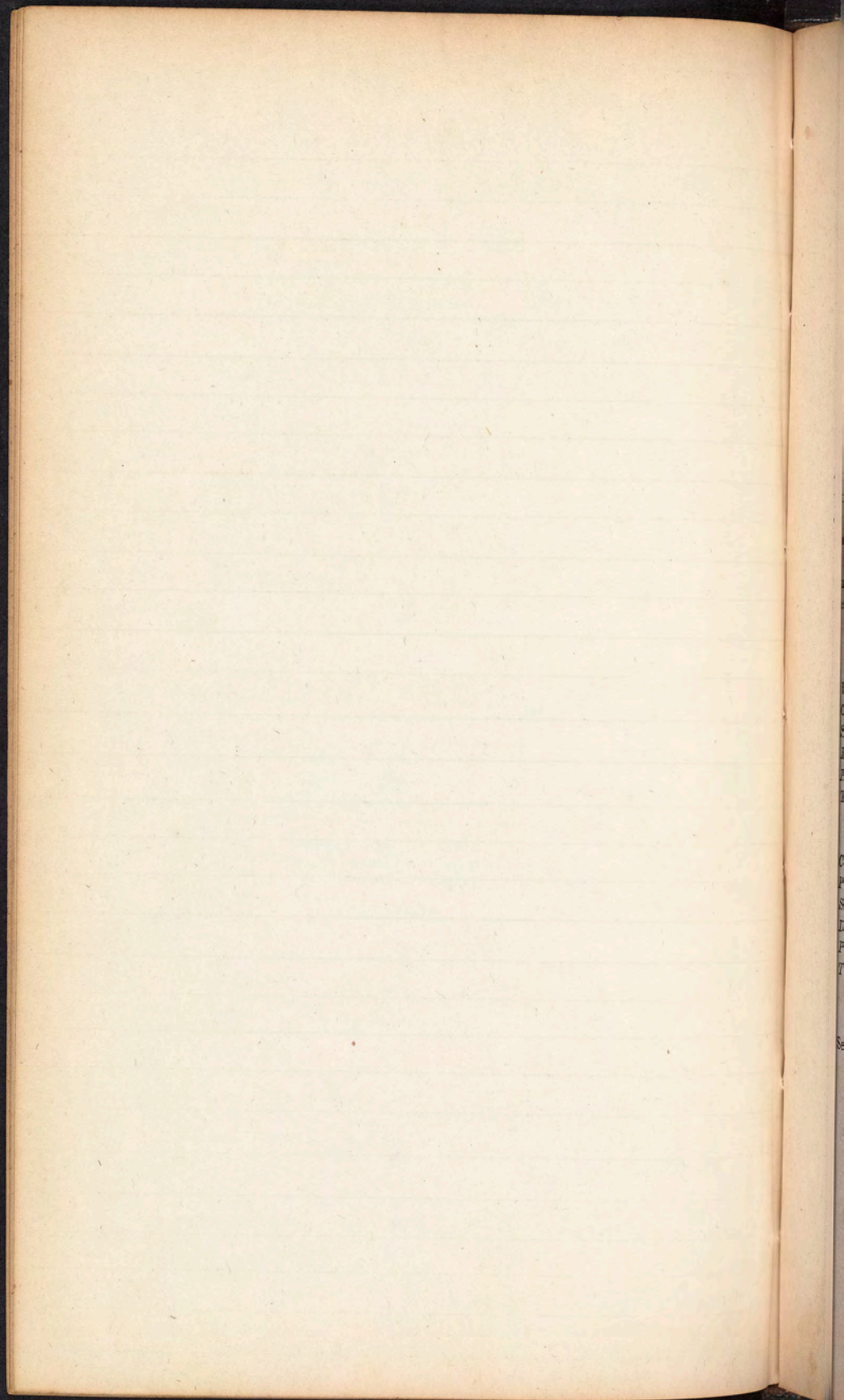
The second part of the history of the United States is the history of the struggle for independence. The struggle for independence began in 1775 and ended in 1783. The United States won its independence from Great Britain.

CHAPTER III

The third part of the history of the United States is the history of the struggle for the establishment of a federal government. The struggle for the establishment of a federal government began in 1787 and ended in 1791. The United States established a federal government.

CHAPTER IV

The fourth part of the history of the United States is the history of the struggle for the abolition of slavery. The struggle for the abolition of slavery began in 1787 and ended in 1865. Slavery was abolished in the United States.



V. DISEASES OF THE TENDONS.

I. WOUNDS OF THE TENDONS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Mode of reparation.—Depends upon the nature of the wound. In wounds exposing the tendon to the air, the process differs essentially from that which takes place when the tendon is not exposed. The degree of separation of the divided extremities also modifies the process.—(See Velpeau, Ammon, and Bouvier.)

Treatment.—1. Simple position and apparatus. 2. The Suture, aided by bandages and position. 3. Antiphlogistic system. The apparatus or dressing must be modified to suit each particular case.

II. INFLAMMATION OF TENDONS.

Varieties.—Simple, rheumatic, or gouty ; acute, or chronic.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

III. OSSIFICATION OF TENDONS.

Causes.

Persons most liable.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. TUMOURS OF TENDONS.

See chapter on "Tumours."

VI. INJURIES AND DISEASES OF THE VOLUNTARY MUSCLES AND THEIR TENDONS.

I. WOUNDS AND RUPTURE OF MUSCLES.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Mode of reparation.—This process is modified by the exposure or non-exposure of the injured muscle to the action of the air.

Treatment.—1. Rest, proper position, and apparatus. 2. Suture, or straps, and bandages. 3. Antiphlogistics.

II. MYOSITIS OR INFLAMMATION.

Varieties.—Simple, rheumatic, or gouty; acute or chronic.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Terminations.—Palsy, irregular spasm; suppuration, (Myositis purulenta;) softening, (Myositis emolliens;) hypertrophy; atrophy; hardening; and ossification.

Treatment.

III. SUPPURATION IN MUSCLE.

The symptoms indicative of suppuration in this tissue resemble those already described under the general head "Suppuration," and the treatment is precisely the same as that proper in cases of suppuration elsewhere. The most striking peculiarity of this action here, is the circumstance of the entire muscle often disappearing, as in *psoas abscess*.

IV. SOFTENING.

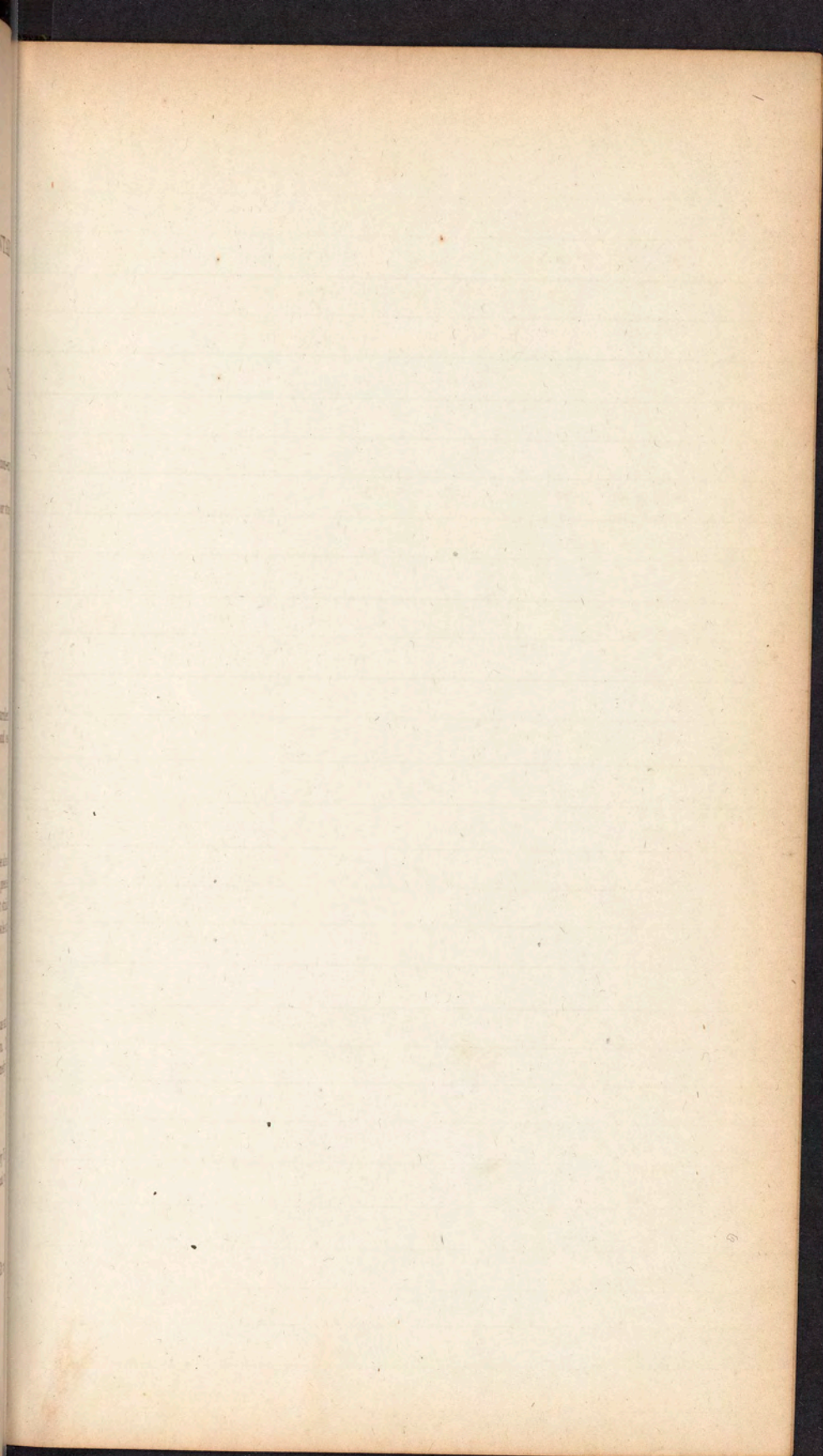
This condition of the muscle may result from *defective nutrition*, as stated by Laennec; and also from *inflammation*, as Bouillaud has clearly shown. The muscle becomes pale, flabby, friable, and easily torn. There is no remedy for the difficulty.

V. STEATOSIS, OR FATTY DEGENERATION.

This degeneration is exceedingly uncommon, but cases are reported by Vicq. d'Azyr and others, in which the muscles were reduced to all the physical properties of fat.

VI. OSSIFICATION.

This is seen in old persons, and also in certain forms of exostosis. It may exist as the result of inflammation.



THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA

CHAPTER I. OF THE CLIMATE AND SOIL.

CLIMATE.

SOIL.

VEGETATION.

ANIMALS.

The climate of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

CHAPTER II. OF THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA.

THE HISTORY OF THE WESTERN AND CENTRAL AFRICA.

The history of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

The present state of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

CHAPTER III. OF THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA.

The history of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

CHAPTER IV. OF THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA.

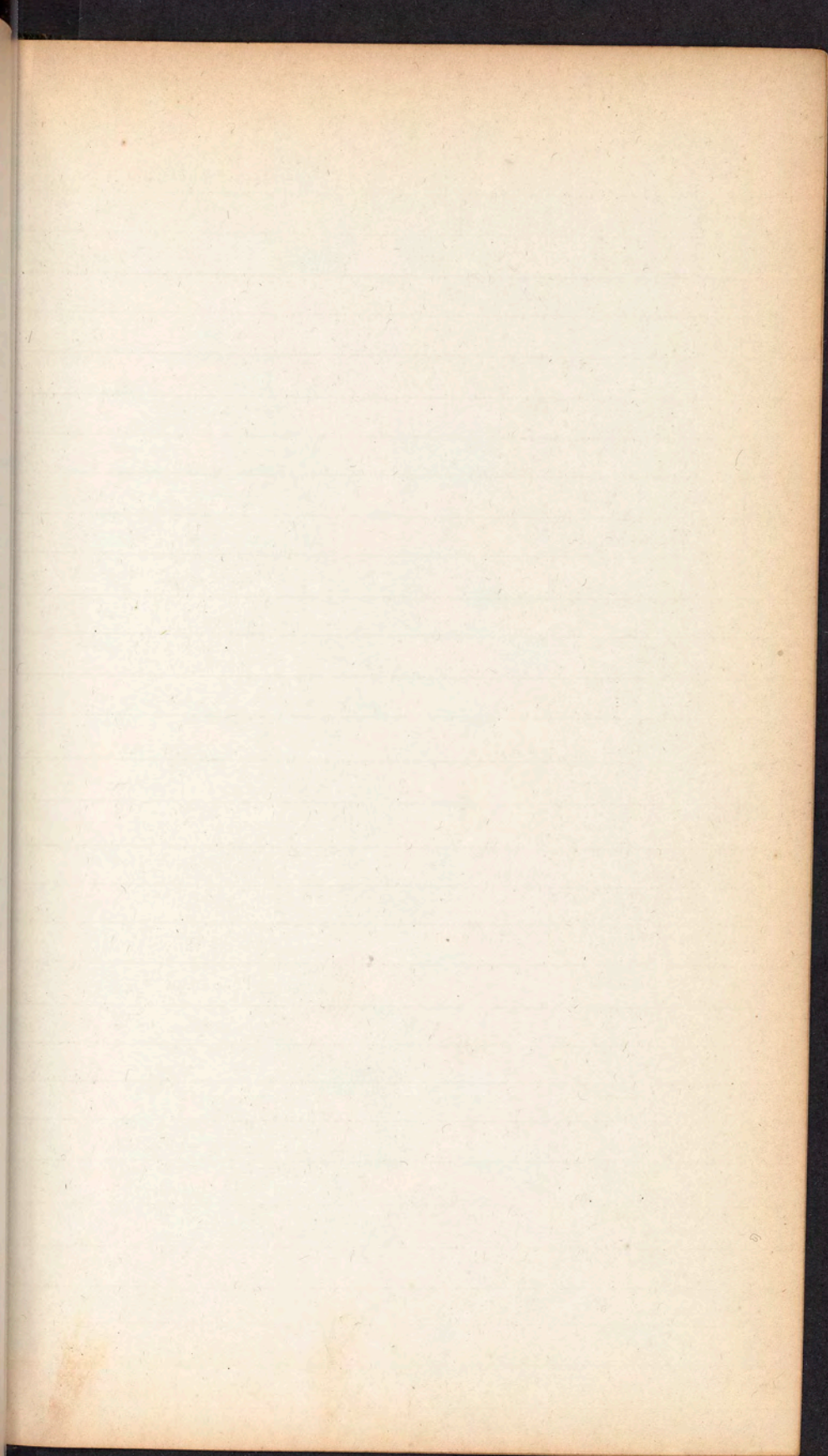
The history of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

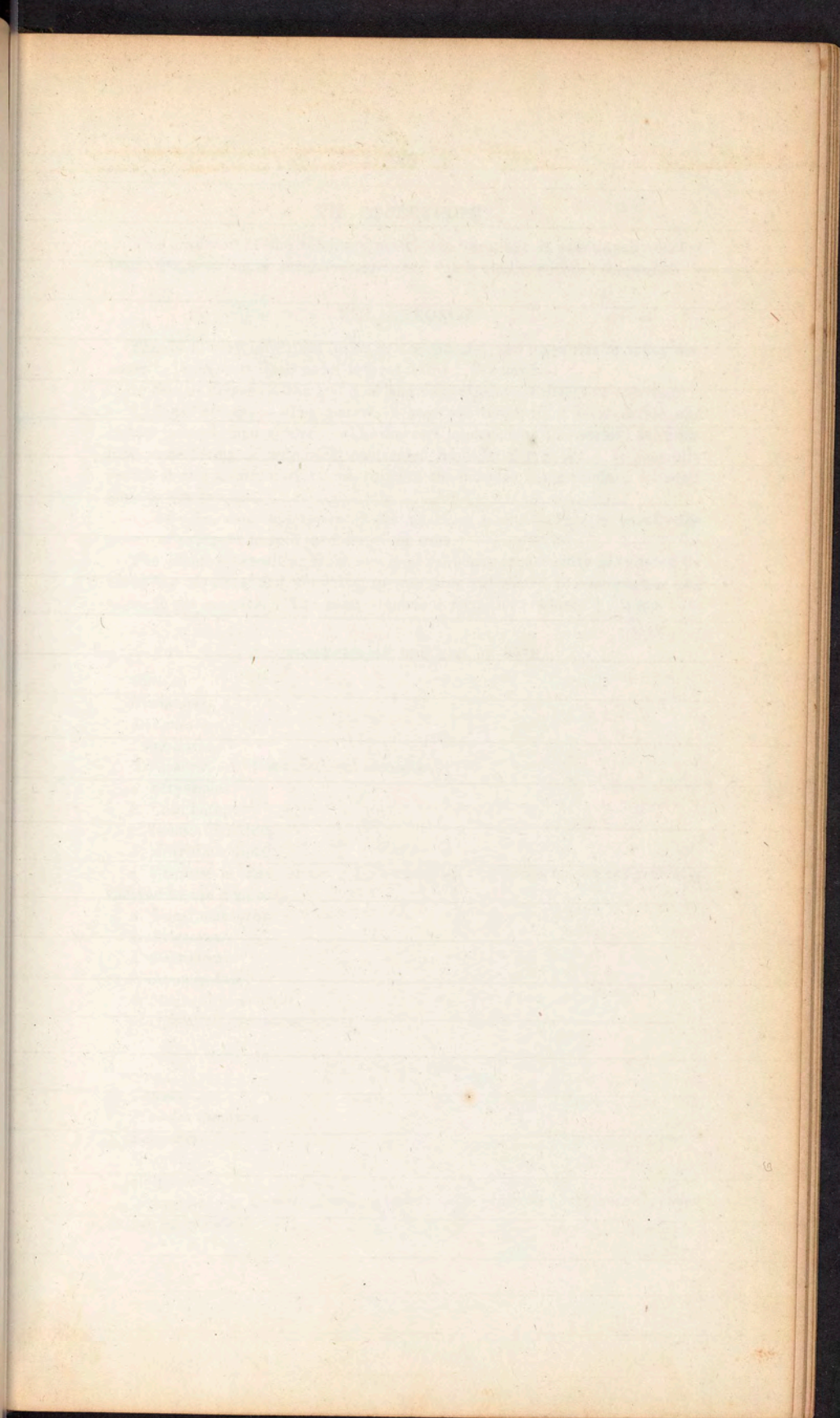
CHAPTER V. OF THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA.

The history of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.

CHAPTER VI. OF THE HISTORY AND PRESENT STATE OF THE WESTERN AND CENTRAL AFRICA.

The history of the western and central Africa is very different from that of the eastern and southern parts of the continent. It is generally more temperate and healthy, and the soil is more fertile. The vegetation is more luxuriant, and the animals are more numerous and varied.





VII. HYPERTROPHY.

This condition of the voluntary muscles is rare, but it occasionally occurs from *inflammation*, or *excessive nutrition*. It is also sometimes congenital.

VIII. ATROPHY.

This is a very important lesion of the muscles, and gives rise to many diseases. It presents itself under several forms. We have—

1. *Simple atrophy*.—the result of long disuse, palsy, or defective nutrition.

2. *Rigid atrophy*.—The muscle is here shortened, rigid, inextensible, and lighter colored than natural. The diseases produced by this variety are club-foot, some forms of wry neck, contracted limbs, stiff jaw, &c. It generally results from spasmodic affections, or from the muscles being confined for some time to one position.

3. *Atrophy, with absorption of the muscular tissue*.—This is usually the result of exposure to cold for a length of time.

The affections resulting from *simple atrophy* may occasionally be relieved by removing the cause and resorting to measures calculated to restore tone and vigor to the muscles. The most common deformities produced by it are

I. PARALYSIS OF ONE LEG OR BOTH.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—1. Constitutional remedies.

a. Strychnia.

b. Cold bath.

c. General frictions.

d. Nutritious diet.

e. Exercise in the fresh air. To accomplish this indication we are generally obliged to use a go-cart.

2. Local measures.

a. Frictions.

b. Galvanism.

c. Acupuncture.

d. Mechanical support.

e. Operation of Stromeyer.

II. FASCIAL PALSY.

Causes.

Muscles involved.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—1. Constitutional remedies—the same as those recommended in the other case.

2. Local treatment.

a. Acupuncture.

b. Moxa over the mastoid process.

c. Galvanism.

d. Excision of a portion of the paralyzed cheek. Proposed by Dieffenbach

e. Section of the antagonizing muscles. Also proposed by Dieffenbach.

III. ATROPHY OF THE GLUTEI MUSCLES.

*Causes.**Symptoms.**Diagnosis.**Prognosis.**Treatment.*

To comprehend and to manage properly the deformities resulting from *rigid atrophy*, it will be necessary to consider each one separately. And first of

CLUB FOOT.

Definition.

Varieties.—1. Talipes varus, or inversion. 2. Talipes valgus, or eversion. 3. Talipes equinus. 4. Talipes calcaneus. 5. Talipes dorsalis or phalangeal. Each of these *general divisions* may be subdivided into three groups, which I have termed degrees; for example, we have *first, second, and third* degrees of varus, &c.

Causes.—1. Congenital; 2. Acquired or accidental.

1st. *Or congenital.* Various theories entertained. The most rational is that now generally adopted, that unequal or irregular contraction of the muscles, by which their tendons and fascia are shortened, atrophied, and rendered more dense, is the proximate cause of the defect. In some cases, the extensors, in others the flexors are in fault, sometimes only one, sometimes several muscles are involved.—(Refer to some of the most ingenious theories on this subject.)

2d. *Or acquired.* Sprains, luxations, fractures, preternatural laxity of the ligaments, partial or complete paralysis of one set of muscles, their antagonists retaining their natural power and vigor, convulsions, habit of using certain muscles more than others, &c.

Foot most liable.—The right.

Sex most liable.—The male.

Variety most common.—1st, or varus.

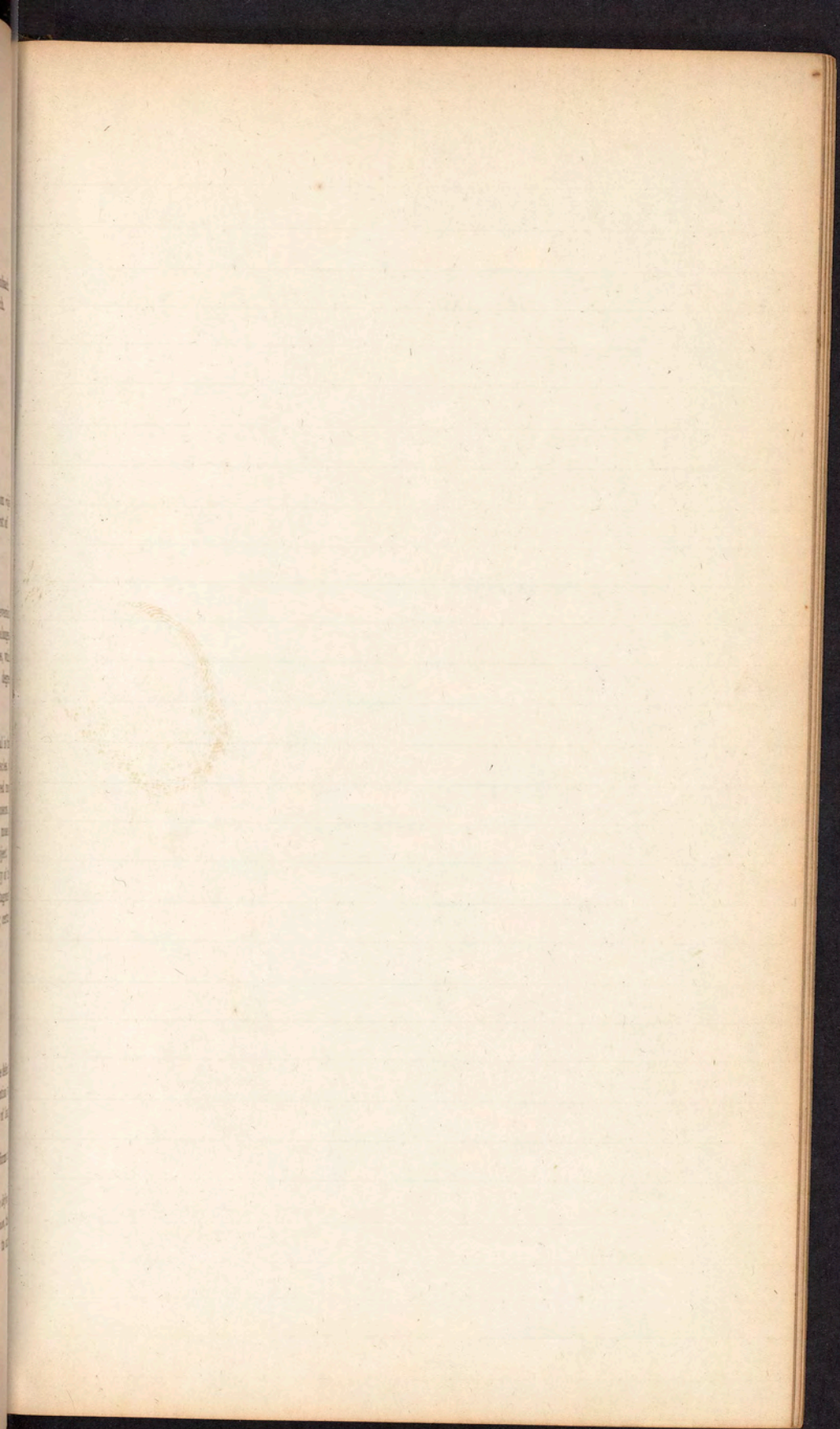
Characteristics of each variety, and those of its various degrees.

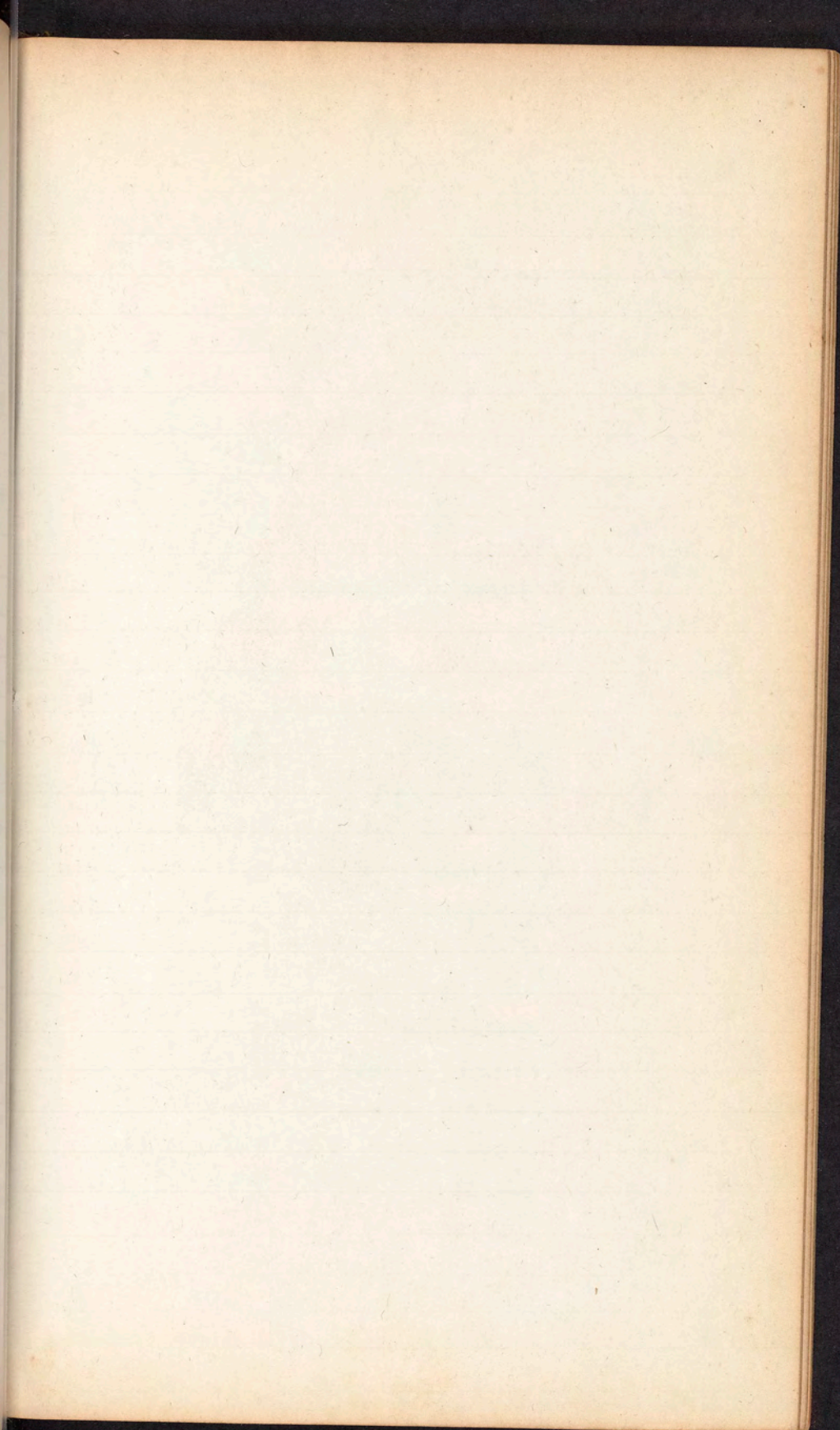
Condition of legs and knees.

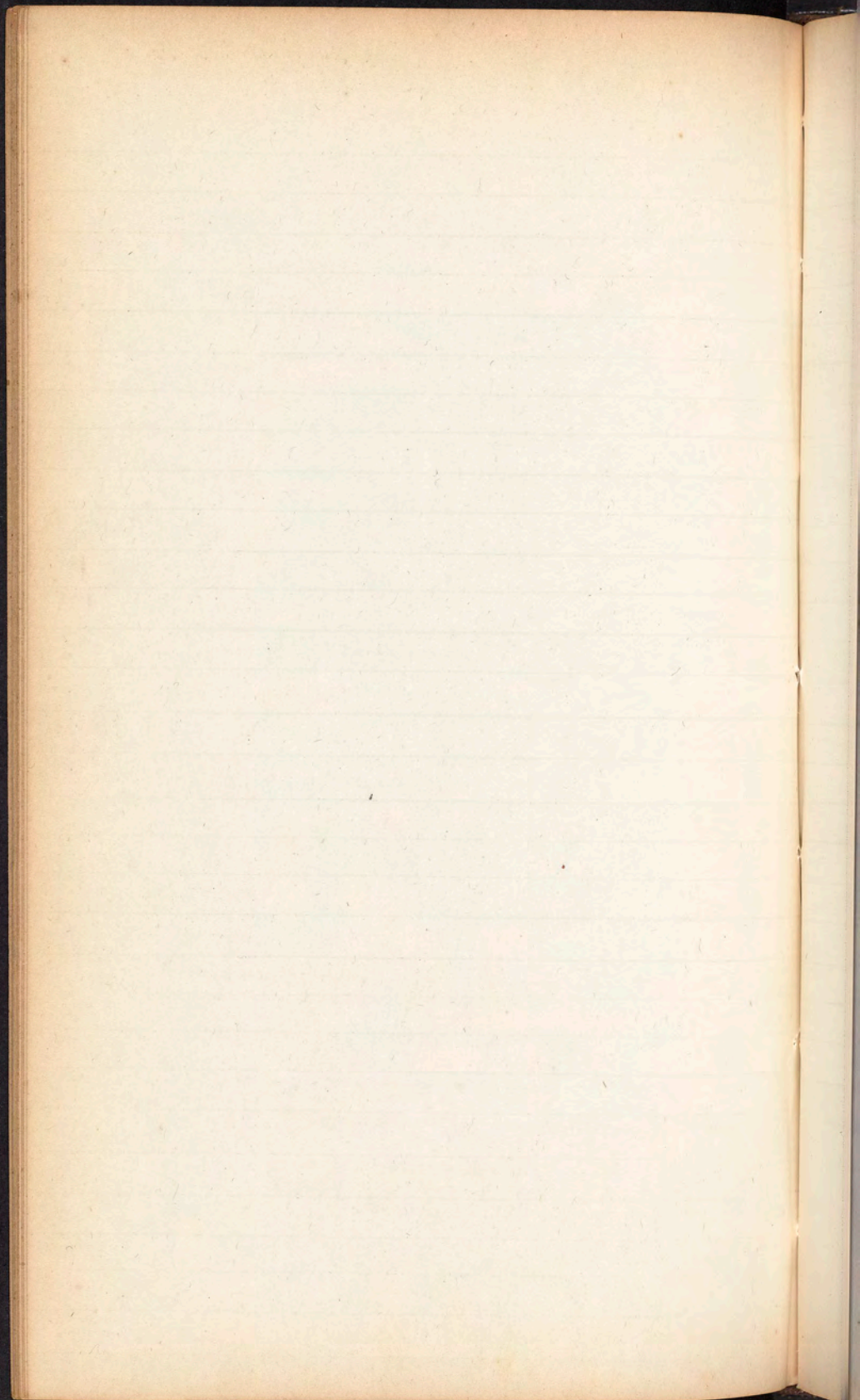
Dissection.—The appearances, of course, depend on the variety of the defect, its degree, cause, age, and the mode of life of the patient. Call attention to the bursæ, exostosis, anchylosis, and abrasions, often met with in cases of long standing.

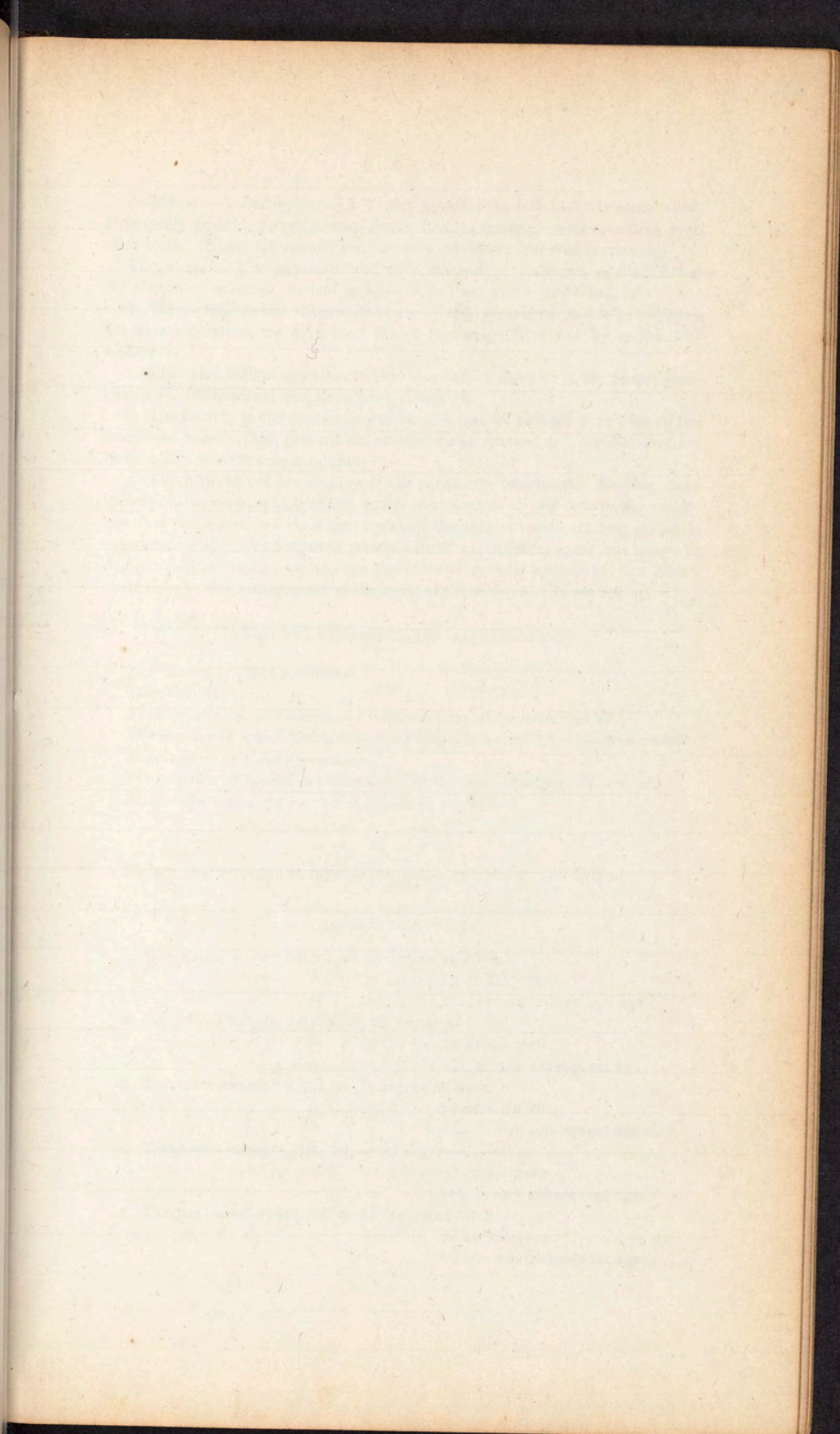
Diagnosis.—Talipes equinus I have known mistaken for certain forms of contracted hip and knee.

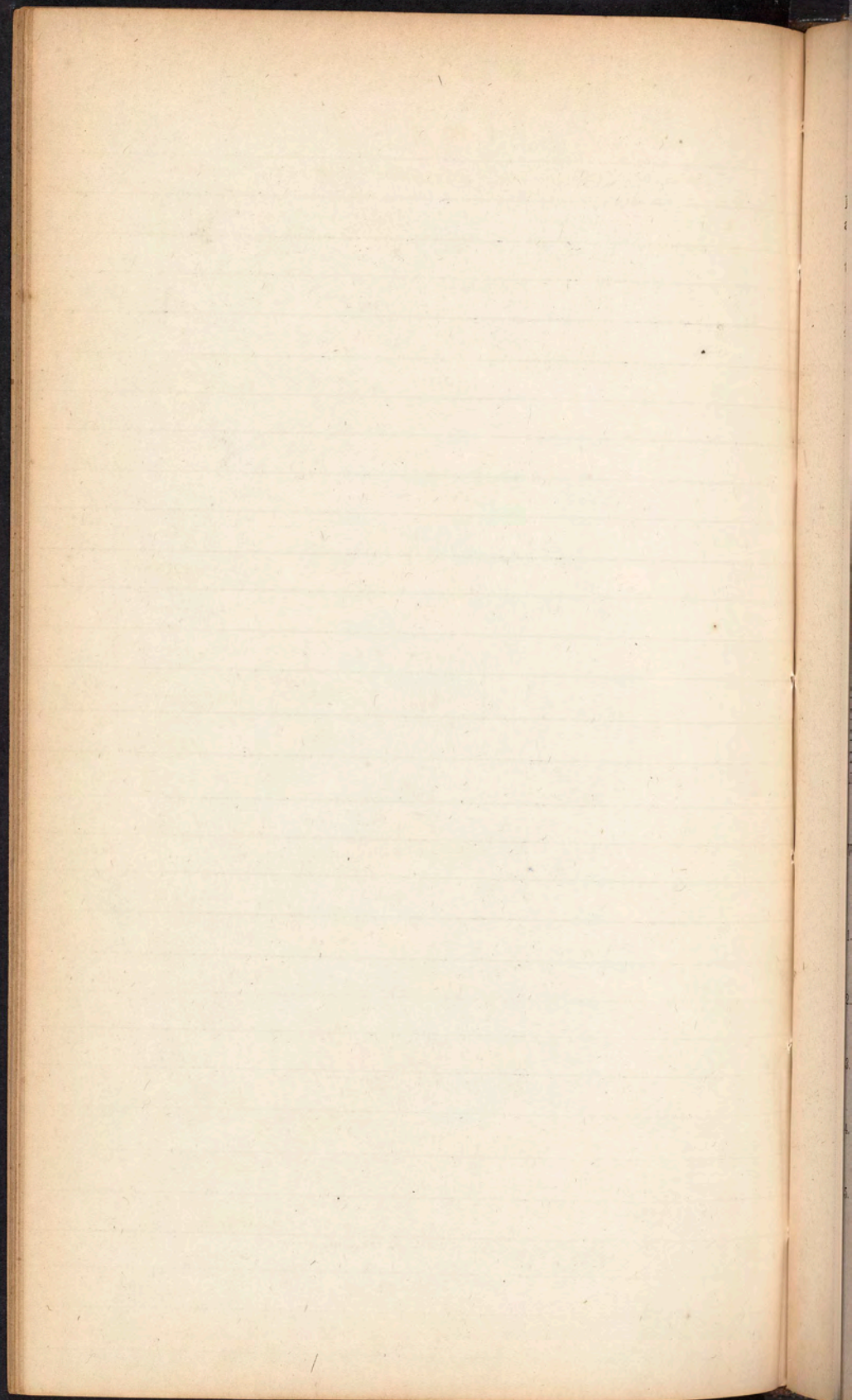
Prognosis.—Depends on the *degree of contraction, the variety of the defect, the condition of the bones, the age of the patient, the character of the cause, the complication of the case, and the disposition of the patient* to submit to our remedies.











Treatment.—1. Prophylactic. 2. Treatment after the defect is fully established. It is rarely possible for us to employ the first, or remove causes operating even after birth. Under the second head several indications present themselves.

These are, 1. The application of such mechanical measures as shall bring the shortened muscles, tendons and fascia, to their proper position.

2. Where mechanical contrivances alone, and unassisted, fail to accomplish the first indication, we may next resort to the *knife, aided by mechanical measures.*

3. The third indication refers to the *retention* of the foot in its proper position, after the tendons, &c., have been elongated.

4. The fourth, to the application of such measures as shall give tone to the weakened muscles, and prevent the recurrence of spasms, or irregular contractions which would cause a relapse.

5. The fifth, to the *preparation* of the patient for treatment. Keeping those indications in view, which obtain in the treatment of all the deformities resulting from this cause, we shall next speak of the plan of treatment best suited to each *variety* of the defect, as it presents itself at *different* ages; but before so doing it will be well to explain the character of certain operations, to which I must refer in the management of the most of these cases. These are

MYOTOMY, TENOTOMY, AND APONEUROTOMY.

The history of these operations.

Their importance.

Their relative merits contrasted with mechanical treatment alone.

The manner in which muscles and tendons are united after these wounds.

The dangers of these operations.

The question of immediate separation of the divided organs discussed.

Manner in which the operation should be performed.

We are now prepared to take up the special treatment, and first of

CONGENITAL VARUS.

1. Congenital varus, 1st, 2d, or 3d degree at birth.

"	"	"	"	2d or 4th year.
"	"	"	"	6th, or any subsequent age.
2. Congenital valgus, 1st, 2d, or 3d degree at birth.

"	"	"	"	2d or 4th year.
"	"	"	"	6th, or any subsequent age.
3. Talipes equinus, 1st, 2d, or 3d degree at birth.

"	"	"	"	2d or 4th year.
"	"	"	"	6th, or any subsequent age.
4. Talipes calcaneus, 1st, 2d, or 3d degree at birth.

"	"	"	"	2d or 4th year.
"	"	"	"	6th, or any subsequent age.
5. Talipes dorsalis, 1st, 2d, or 3d degree at birth.

"	"	"	"	2d or 4th year.
"	"	"	"	6th, or any subsequent age.

CONTRACTED KNEE.

Varieties.

Muscles and tendons involved in each.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.—May be confounded with the different varieties of ankylosis, dependent on other causes.

Prognosis.

Effects on the joint if neglected.

Treatment.—1. By mechanical means alone. 2. By section of the tendons, followed by the use of mechanical measures.

Condition of the joints after contraction is overcome, and the treatment required in this stage.

Dangers to be apprehended during the treatment of the case.

CONTRACTED THIGH.

Varieties.

Muscles and tendons involved.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.—Often confounded with coxalgia when the flexors are involved.

Prognosis.

Effects on the joint if neglected.

Treatment.—1. By mechanical means alone. 2. By myotomy, followed by mechanical measures.

Condition of the joint after contraction is overcome, and the treatment required at this time.

Dangers to be apprehended during the treatment of the case.

CONTRACTION OF THE FINGERS AND TOES.

Varieties.

Muscles and tendons involved in each.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.—May be mistaken for contraction of the fascia palmaris or plantaris, when the flexors are in fault.

Prognosis.—Depends on the cause and the degree of lesion sustained by the tendons.

Treatment.—Depends very much on the cause; and we may require mechanical means as well as the knife for the relief of the difficulty.

CONTRACTION OF THE WRIST.

Varieties.

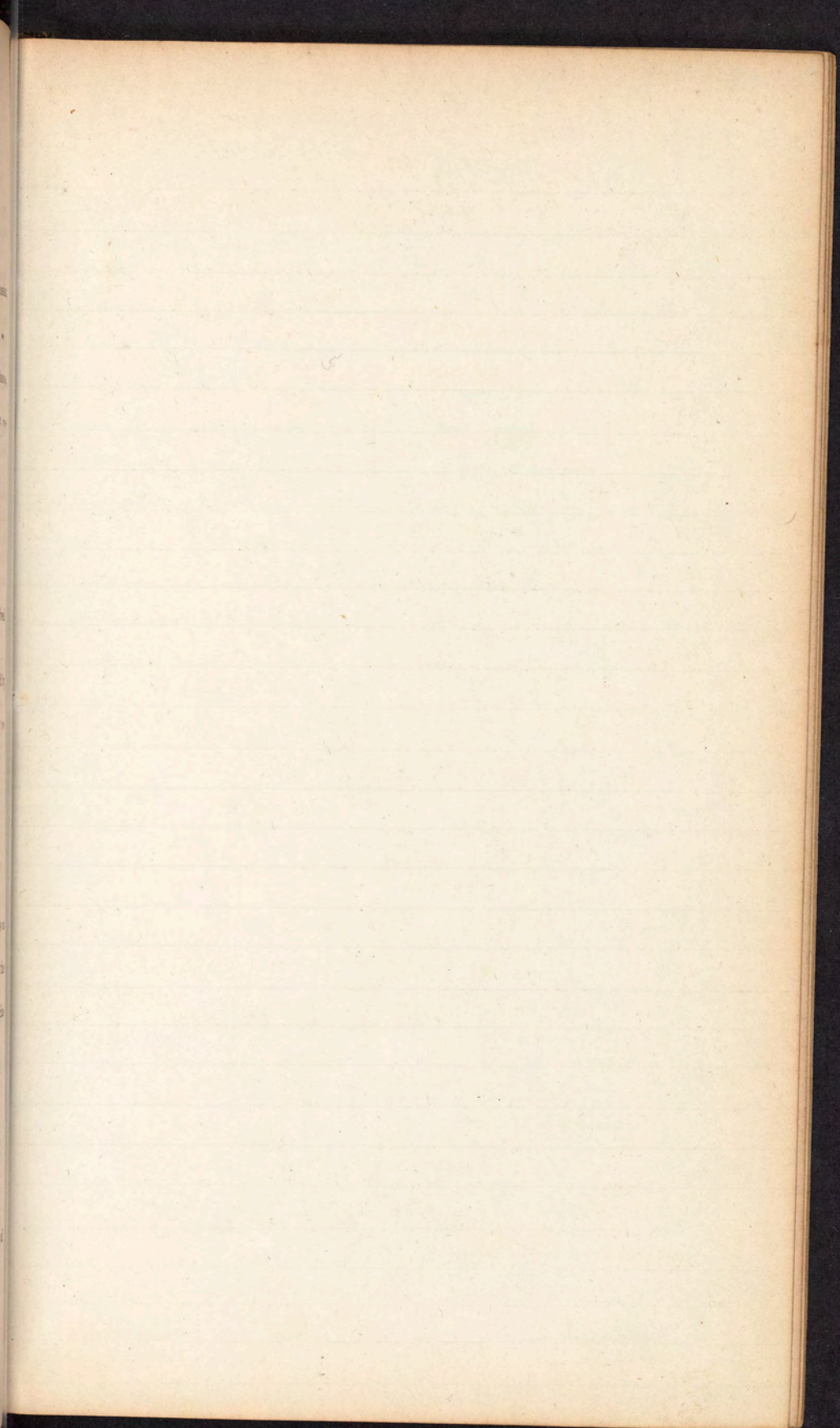
Muscles and tendons in fault in each.

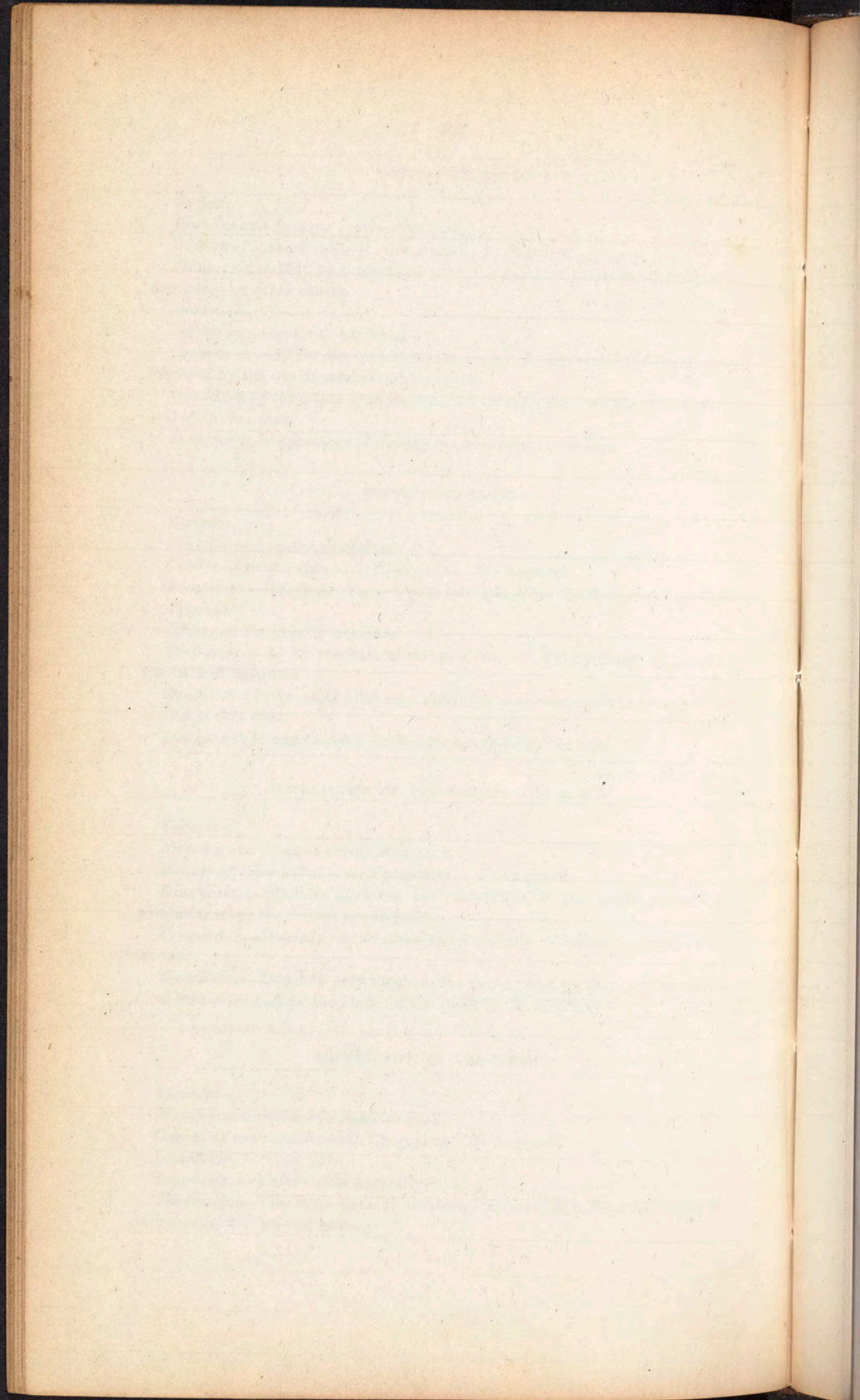
Causes of contraction.—1. Congenital. 2. Acquired.

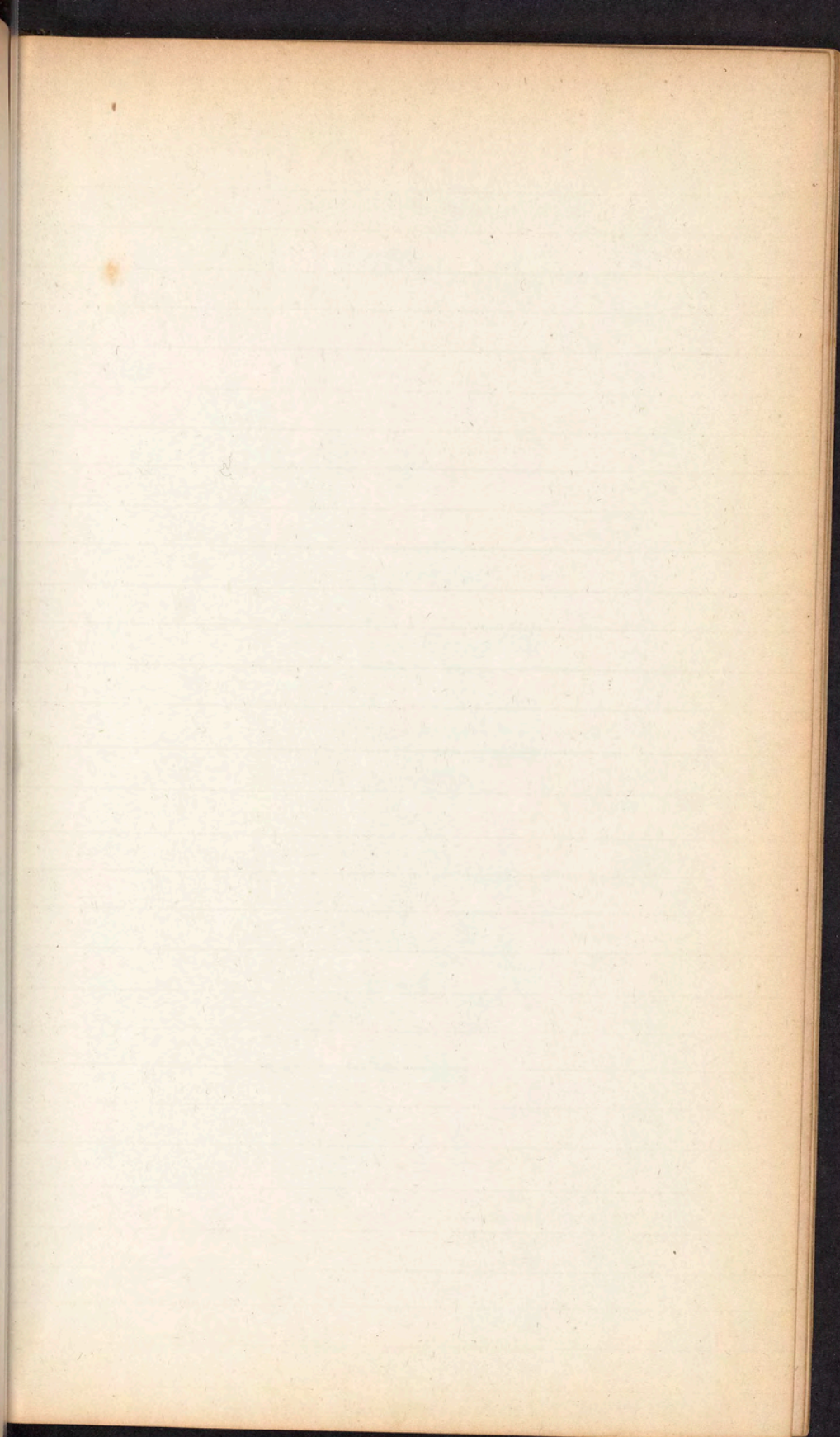
Diagnosis.

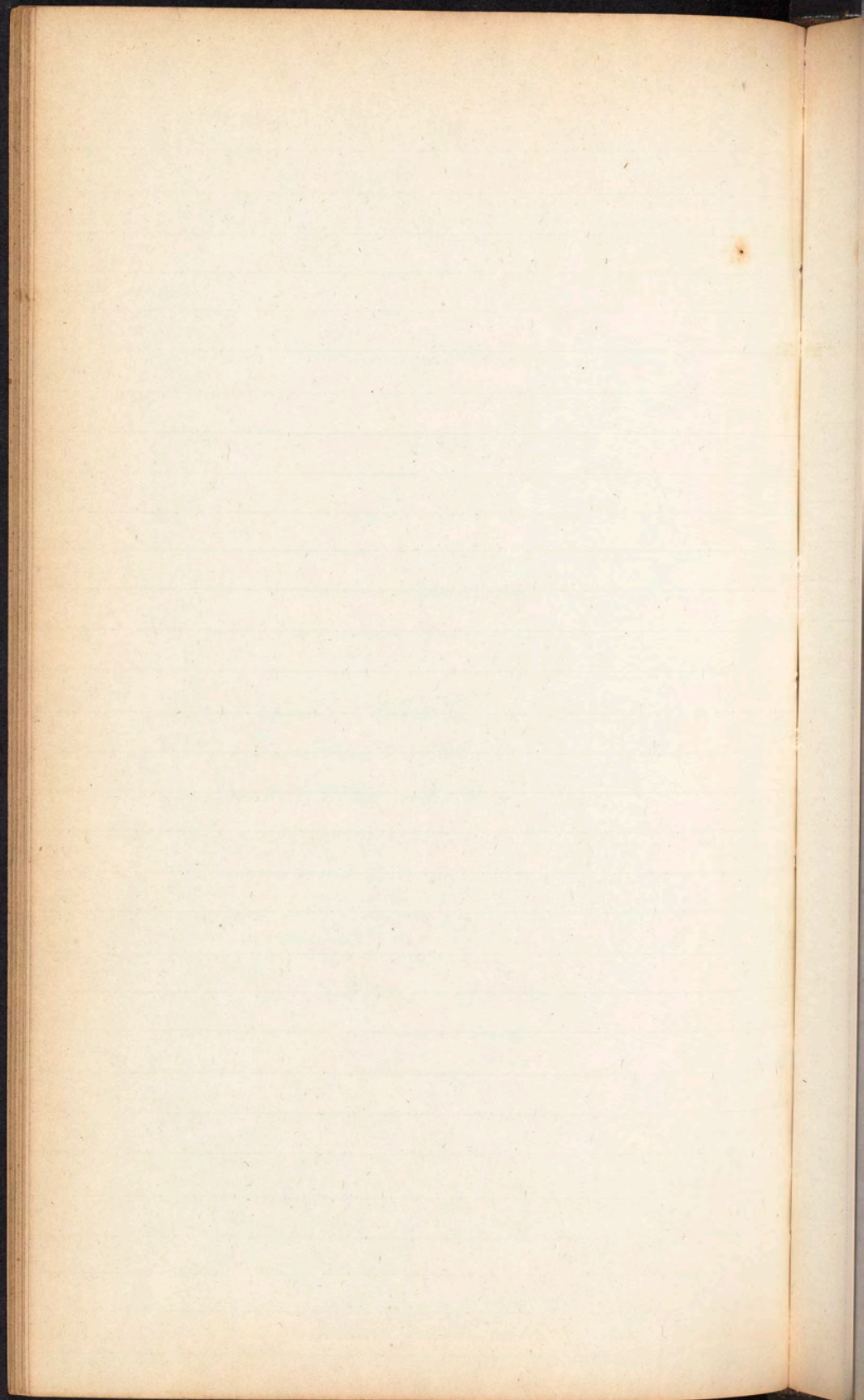
Prognosis.—Unfavorable generally.

Treatment.—The same general treatment applicable to the other cases of contraction, will answer here.









...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

CONTRACTION OF THE ELBOW JOINT.

Varieties.

Muscles and tendons in fault in each.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.

Prognosis.

Treatment.—The same general treatment is to be observed here as in the other forms of contraction.

CONTRACTION OF THE SHOULDER.

Varieties.

Muscles and tendons in fault in each.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.

Prognosis.

Treatment.—The same as above.

CONTRACTION OF THE LOWER JAW.

Varieties.

Muscles and tendons in fault.

Causes of contraction.—1. Congenital. 2. Acquired.

Diagnosis.—Not to be confounded with adhesions, contractions from burns, or cicatrices.

Prognosis.

Treatment.—In almost every case of this defect it is necessary to divide the muscles before the different means usually employed can be used with any effect. (See the cases of Mott, Fergusson, Smythe and myself.)

TORTICOLLIS.

Synonymes.—Caput opstipum; wry neck.

Definition.—An involuntary and fixed inclination of the head towards one of the shoulders. It is sometimes intermittent.

Symptoms.

Causes.—1. Congenital. 2. Acquired.

First, or congenital.

a. Muscle or muscles on one side *too short*.

b. Paralysis of one set of muscles.

Second or acquired.

a. Hemiplegia.

b. Chronic rheumatism.

c. Fevers of long standing.

d. Chronic myositis.

e. Mechanical injuries.

f. Habit.

g. Palsy of extensors of the neck.

Muscles in fault.—Generally the sterno-cleido-mastoid, but the trapezius, platysma myoid, and, in short, the whole set of muscles on one side may be involved. It is supposed by some to be dependent occasionally on shortening of the *integuments* or *fascia* of the neck, but I have never met with an example.

Diagnosis.—May be confounded with *recent palsy* of the muscles, from blows upon the neck; with acute rheumatism; abscess in the neck; caries of the bones; tumors; old luxations; hydrocele of the neck, and curved spine.

Prognosis.—Depends on a variety of circumstances. State them.

Dissection.

Treatment.—Depends on the *cause, parts involved, and the duration* of the disease. Mechanical measures of various kinds, the knife, and constitutional treatment may all be required.

STRABISMUS.

Definition.

Muscles, tendons, and fascia in fault.

Varieties.—1. Convergent. 2. Divergent. 3. Upward squint. 4. Downward squint.

The first is most frequent, in consequence of the *internal rectus* being stronger than the *external*, from its insertion being nearer the cornea, and from the natural habit we have of looking *inwards* more than *outwards*.

Symptoms.

Degree.

Duration.—Occasional or permanent. It is also, in some cases, *voluntary*.

Eye generally attacked.—According to some, the *right*; according to others, the *left*. Both are often involved.

Mode of ascertaining which eye is diseased.

Effect on vision.

Causes.—1. Congenital. 2. Acquired. 3. Direct. 4. Indirect.

Diagnosis.

Prognosis.

Dissection.

Treatment.—Several indications. 1. Remove the cause. 2. Use mechanical means to correct the deformity. 3. Where these fail, resort to an operation.

History of this operation.

Cases to which it is applicable.

Mode of performing it.

Treatment after the operation.

Dangers of the operation.

Change in the muscular attachments.

Results of the operation.—1. Favorable. 2. Unfavorable.

First, or favorable.

a. Disappearance of deformity.

b. Improvement in vision.

Second, or unfavorable—

a. Operation fails to correct the deformity. Why?

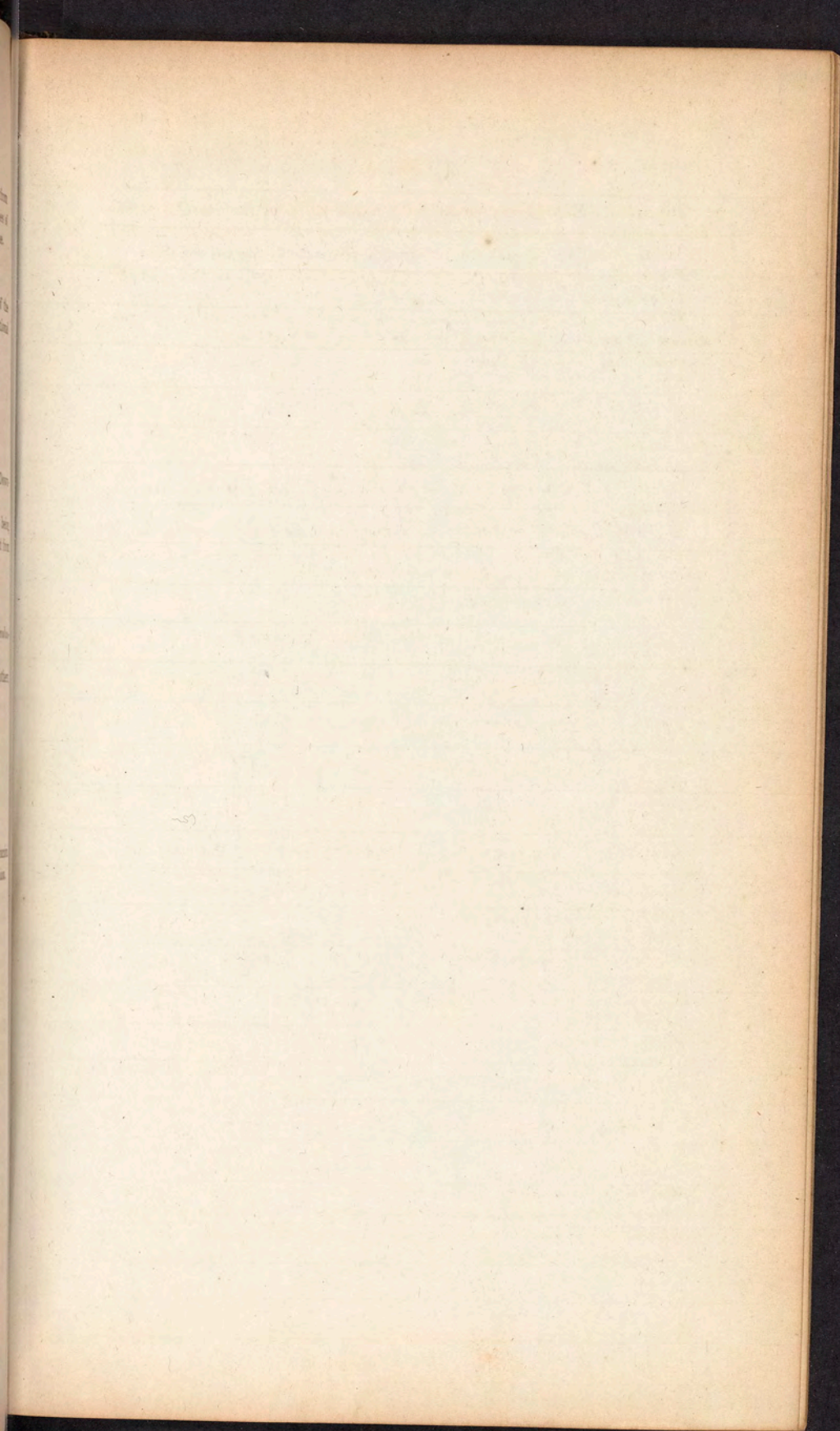
b. The eye is everted.

c. The eye projects.

d. A relapse takes place.

Methods proposed to overcome these difficulties.

Appreciation of the operation.



[Faint handwritten notes, likely bleed-through from the reverse side of the page.]

KCl - K and HCl = KCl and H⁺ - KO CO₂ 166
= KCl and KO and CO₂ 6K₂O = 5K₂CO₃
Potassii Iodinum (KI)² 6I and ~~150K~~ 150K⁵

It unites with metals and forms bases and acids - the first are Basifiable and the other acidifiable metals - the Bifals also are divided into Alkalies and ordinary bases - Fe, I and KO, CO₂ = KI + FeO, CO₂

Liquor Iodini composuit US -
Potassii Iod. Comp -

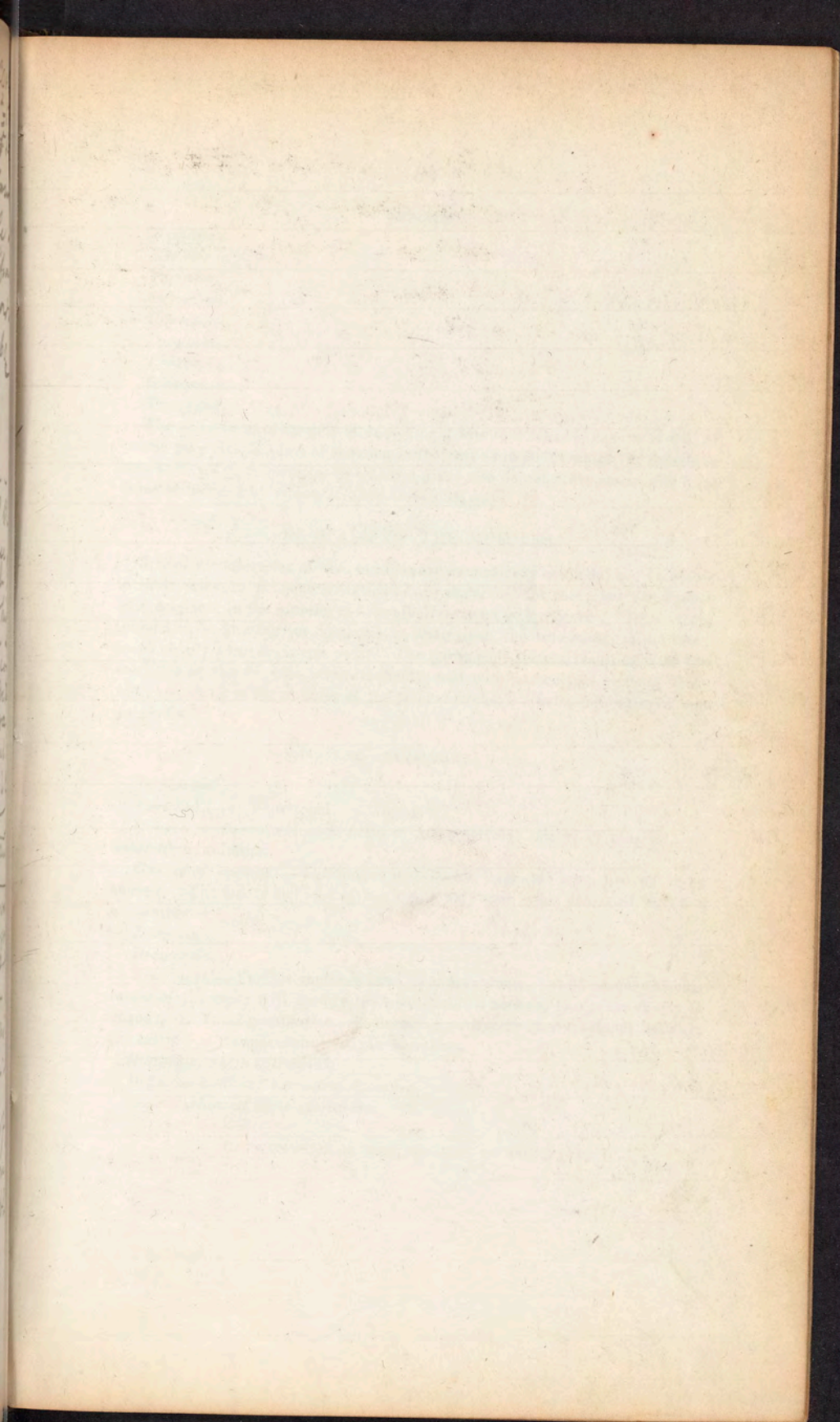
Mercury - protox (HgO) Hydrag Argenti -
made by Hg Cl and RO = HgO and R Cl in
Hg Cl and CaO = HgO and Ca Cl the former give
greyish protox and Black protox by last is
only for new appearance - no of prep which
contain protox and metallic mercury is a
very finely divided state - as in saturation with
acid or reactions sub - as in Hydrag. Cretae
a Bl Hydrag - a Blue pill and Hydrag -
dentox (HgO₂) a Red precip per se a precip dent of
C. Hydr Ox Rubrum - from which
comes Hyg Hydr Ox Rubrum

Mercury is passing mercury to heat
vapor being condensed before it reaches

Hg Cl₂ + 2 KO
Hg₂ Cl₂ and 2 KO
is white

The top of my mouth utero in form of no powder
proto sulphur (HgS) taken the R. powder is not by
nitric acid it is a precipitate
Bisulphur is often Hydrag sulph Rubrum US
Bisulphur with Sulphur is off Hydrag S. his and so
and is Ethrops Mineral -

Bisulph is called artificial curcubac, from the
venetian - proto sulph is made
Br Chloride of mercury curcubac sub is of -
Hydrag Br Chloride US - Hydrag Chloride in
solution of ammonia vehicle for curcubac sublim



LEUCITAS.

*Definition.**Muscles in fault.**Varieties.**Symptoms.**Causes.**Diagnosis.**Prognosis.**Dissection.**Treatment.*

The *third* form of atrophy is exceedingly rare, but when it occurs, it will of course give rise to a loss of function in the part or organ to which the muscle is attached. The deformities to which it gives rise do not differ essentially from those occasioned by *simple atrophy*. (See Mayo.)

IX. SPASM OF THE MUSCLES.

Spasmodic affections of the muscles are exceedingly common, and referable in most cases, to primary irritation of the nerves of the part; but the disease may originate in the muscle, and gradually extend to the nerves. It is highly important, in forming our diagnosis, to distinguish the true cause, as the treatment chiefly turns upon this point. The permanent defects, resulting from this condition of the muscles, most frequently met with, are certain kinds of stammer, twitching of the muscles of the face, scrivener's spasm, rigid atrophy, and paralysis.

I. STAMMERING.

*Definition.**Varieties.*—1. Functional. 2. Organic.

Causes of functional.—Sometimes inappreciable; spasm of muscles, bad habit from imitation.

Causes of organic.—The tongue may be too large, too long, tied, or badly shaped. The fauces and roof of the mouth may also, when deformed, occasion a stammer.

*Diagnosis.**Prognosis.*

Treatment.—Various methods have been introduced, but of course the character of the cause will modify the treatment. There are four plans chiefly in vogue:—1. Vocal gymnastics. 2. Speaking with some hard substance between the teeth. 3. Acupuncture. 4. An operation.

*History of these operations.**Different modes of operating described.**Appreciations of these operations.*

II. TWITCHING OF THE MUSCLES OF THE FACE.

*Varieties.**Causes.**Diagnosis.**Prognosis.**Treatment.*

III. SCRIVENER'S SPASM.

*Definition.**Causes**Symptoms.**Diagnosis.**Prognosis.**Treatment.*

X. ENTOZOOA.

The muscles frequently become the habitations of parasitic animals, and especially of the *Cysticercus cellulosa*, and the *Trichina spiralis*, first described, I believe, by Mr. Owen, of London.

XI. MALIGNANT DISEASES.

The muscles, like all the other tissues, are liable to be attacked by the various affections to which the term *malignant* has been assigned.

VII. DISEASES OF THE ARTERIES.

I. WOUNDS.

Varieties.—Penetrating, non-penetrating, punctured, incised, contused, lacerated, &c.

Symptoms.—Depend on the nature of the wound, and the size of the vessel.

Prognosis.—Depends on character of the wound, size of the vessels, and the diathesis of the patient.

Diagnosis.—May be confounded with wounds of veins.

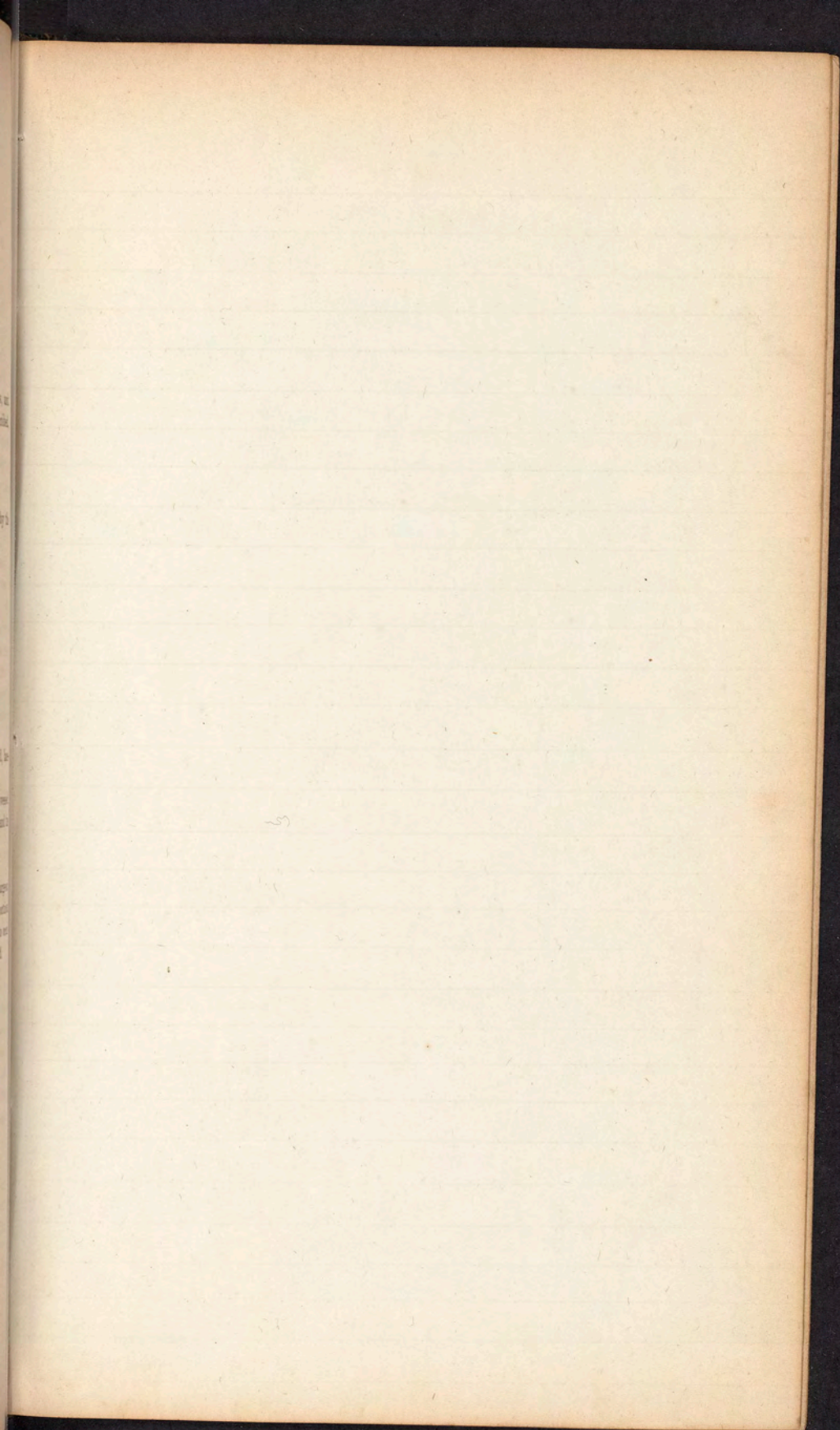
Results.—The hemorrhage may cause death, unless arrested by the surgeon, or by an effort of nature; the wound may close, and the circulation continue in the limb, as before; or the circulation may be so much impaired as to occasion gangrene; and finally, aneurisms of different kinds may be developed.

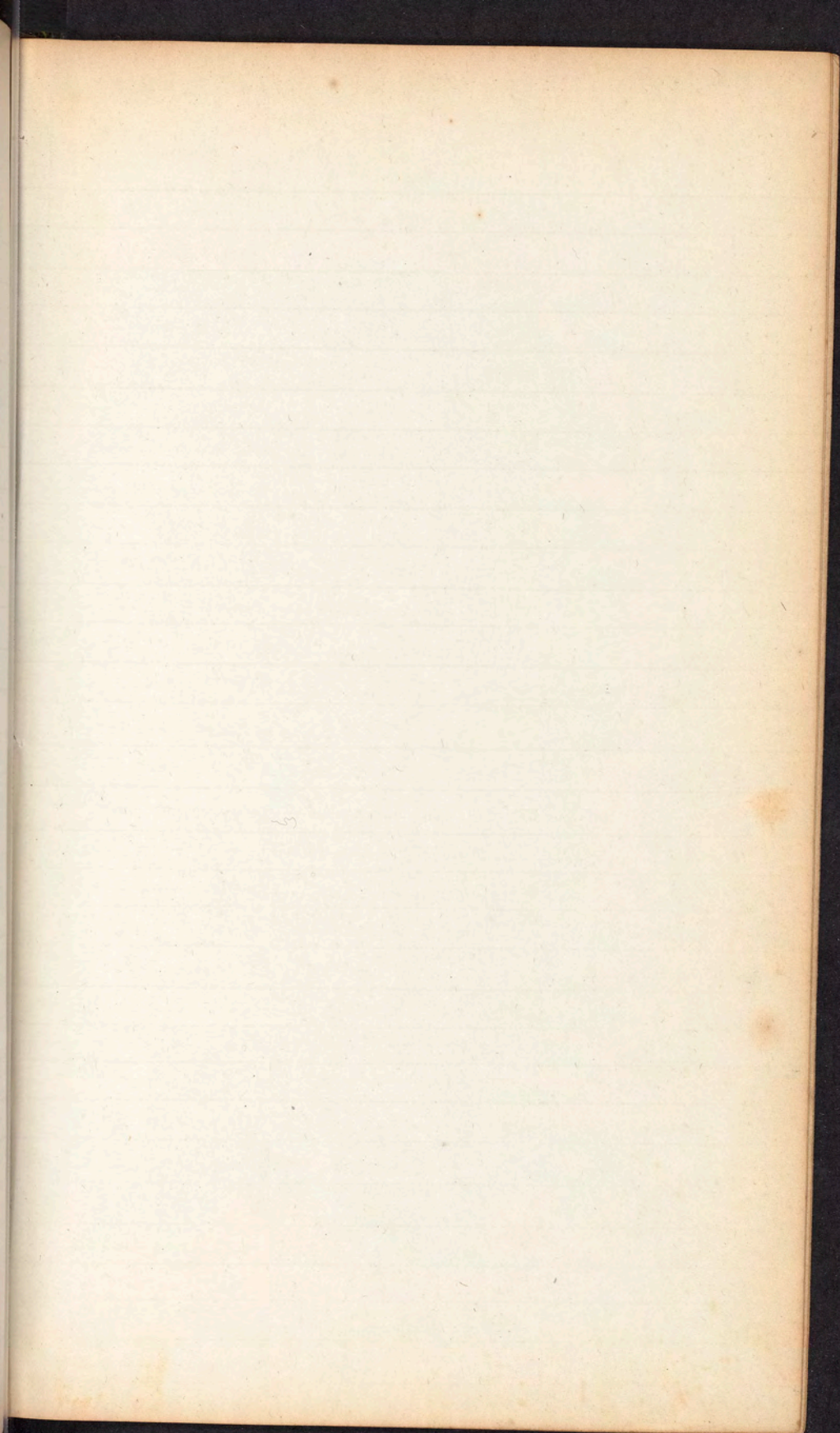
Mode of healing.—Varies with the kind of wound.

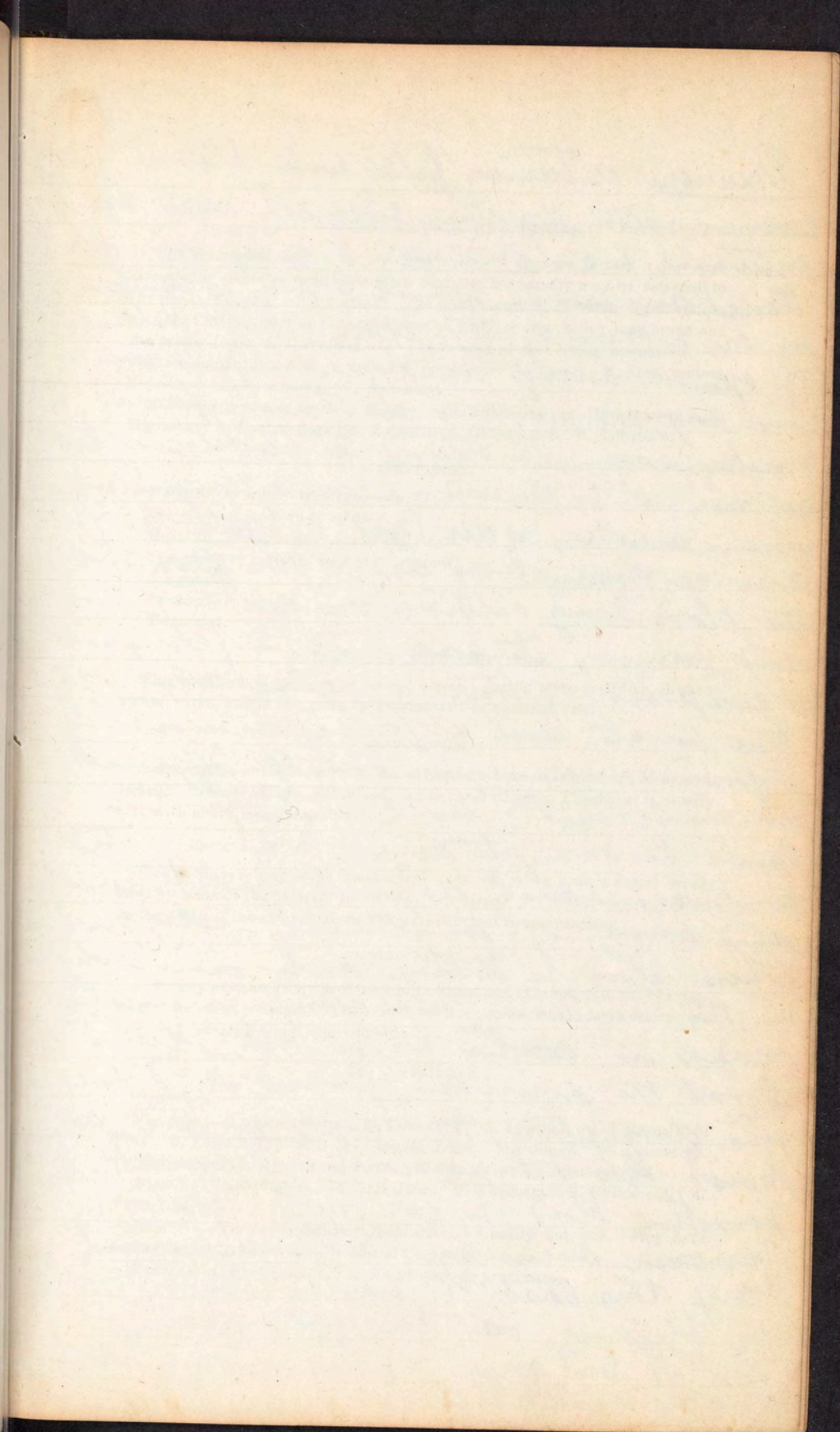
Treatment.—See incised wounds.

II. ARTERITIS.

*Definition.**Comparatively rare.**Varieties.*—1. Subacute. 2. Acute. 3. Chronic.*Causes.**Symptoms of each variety.**Diagnosis.**Prognosis.**Dissection.**Products.**Treatment.*







Aneurism a tumor filled with blood and communication directly or indirectly with an artery - 1. 2. 3. Internal & External 4.

True aneurism where blood is contained in one or more of the coats great diversity of opinion among pathologists differ, we may have any one coat - or all of them - forming the investing sac - an artery may be dilated but yet may not be aneurism - have a circumscribed tumor - consisting of all coats of vessels & false aneurism ~~arises~~ the cause from wounds the blood being outside the coats of vessel and forming its sac there - Divided is composed of true & false where the true bursts and a false aneurism is formed in consequence 9. Diffused Circumscribed & Dissecting - 2 per C - must be owing to force where the points are easily deformed most simple and easy of treatment - Diffused where blood is thrown out and diffused in the limb - Dissecting generally occurs in aorta where one blood first the aneurism forms and bursts and dissecting the coats of the artery must risk the patient a small opening blood to get out. Into Varicose aneurism & Aneurismal vary this last generally developed by bleeding via lancea passes through the vein the two grow together

III. DEGENERATION OF TISSUES.

The arteries undergo a variety of pathological changes termed "*degenerations*," the causes of which are often obscure, but usually may be referred to the pre-existence of inflammation. The most common of these degenerations are: 1. Cartilaginous or osseous deposits between the lining membrane and the proper tissue of the vessel. 2. Thickening of the lining membrane. 3. *Ætheromatous* deposits in different portions of the vessel. 4. Steatomatous deposits. 5. Ulceration. 6. Softening.

Diseases produced by these changes.—1. Dilatation; 2. Hypertrophy with dilatation; 3. Contractions; 4. Rupture; 5. Obliteration; 6. Aneurism.

DILATATION.

Parts of the vessel usually involved.

Vessels most liable to be affected.

Effect on the shape and size of the vessel.

Symptoms by which it may be recognized.

Diagnosis.

Prognosis.

Treatment.

HYPERTROPHY WITH DILATATION.

This condition is seen in the uterine arteries during utero-gestation, in aneurismal varix, and in aneurism by anastomosis or vascular nævi.

CONTRACTION.

A diminution in the capacity of an artery has been observed by Morgagni, Desault, Laennec, Mayo, Elliottson, Baillie, and others. The defect is usually met with in the larger vessels.

RUPTURE.

This is the result of some mechanical cause operating upon a vessel weakened by some of the different forms of degeneration. Its occurrence may result in the death of the individual, or the establishment of an aneurism.

OBLITERATION.

A variety of causes may produce obliteration, but inflammation may be considered the most common. The results of this condition of a large artery, are *gangrene*, *paralysis*, and sometimes death.

IV. ANEURISM.

Definition.

Varieties.—1. Spontaneous. 2. Traumatic. 3. Internal. 4. External. 5. True. 6. False. 7. Mixed. 8. Circumscribed. 9. Diffused. 10. Dissecting. 11. Varicose. 12. Aneurismal varix. 13. Aneurism by Anastomosis.

Breschet's classification.—1. Sacciform. 2. Fusiform. 3. Cylindroid. 4. Varix like.

Number.—Varies in different individuals. Usually but one. May have several, as in the cases of Pelletan and Cloquet.

Causes.—1. Predisposing. 2. Accidental, or proximate.

First, or predisposing:

- a. Disease of the coats of the vessel. (See degenerations.)
- b. Sex. Male most liable.
- c. Age. Old persons most liable.
- d. Location of vessel. Vessels of the lower limb most liable.
- e. Vocation. Laboring classes most liable.
- f. Size of the artery. Large more frequently affected than the small.

Second or accidental.

- a. Some violent exertion.
- b. Wounds.
- c. Ulceration of the coats of vessel.

Symptoms.—1. Constitutional. 2. Local. Both classes modified by the location, variety, size, and duration of the tumour.

Diagnosis.—The diagnosis is not difficult in the early stages of the complaint. As the tumour becomes solid it is more uncertain. An aneurism has been confounded with an abscess, tumours of different kinds situated near large arteries, dilatation of Arteries, and diseases of different organs.

Prognosis.—Influenced by circumstances. It is, under all circumstances, however, to be considered a most formidable disease—usually requiring an operation for its relief, although nature is occasionally competent to the task of “spontaneous cure.”

Progress of the disease.—Great diversity in this respect. Sometimes it runs its course rapidly; and again, years may elapse before a fatal result takes place.

Effects of an aneurism on surrounding structures.

State of the blood in the aneurismal sac.

Changes which take place in the sac as the disease advances.

Terminations of the disease.

- a. Spontaneous cure.
- b. Death from hemorrhage.
- c. Death from exhaustion.
- d. Death from direct influence of the tumour upon some vital organ, as the brain, &c.

Processes by which a spontaneous cure is accomplished.

- a. Obliteration of the sac by concrete fibrine.
- b. Obliteration of both sac and artery by fibrine.
- c. Pressure on the trunk of the vessel by the tumour itself.
- d. Inflammation, suppuration, and sloughing of the sac, and a portion of the artery.

e. Bursting of the sac, the effusion of blood under the adjacent tissues, and the subsequent coagulation of this blood, which, pressing upon the artery, causes its obliteration.

Treatment.—The indication in the treatment of every case of aneurism of the usual kind, is to cause an obliteration of the artery involved. To carry this indication into effect, two general modes of management have been introduced:—

1. The first has for its object the diminution of the force of circulation, so that the blood may coagulate in the tumour, and the artery contract.
2. In the second we attempt a complete arrestation of the circulation through the part, by the obliteration of the vessel by some mechanical measure or surgical operation.

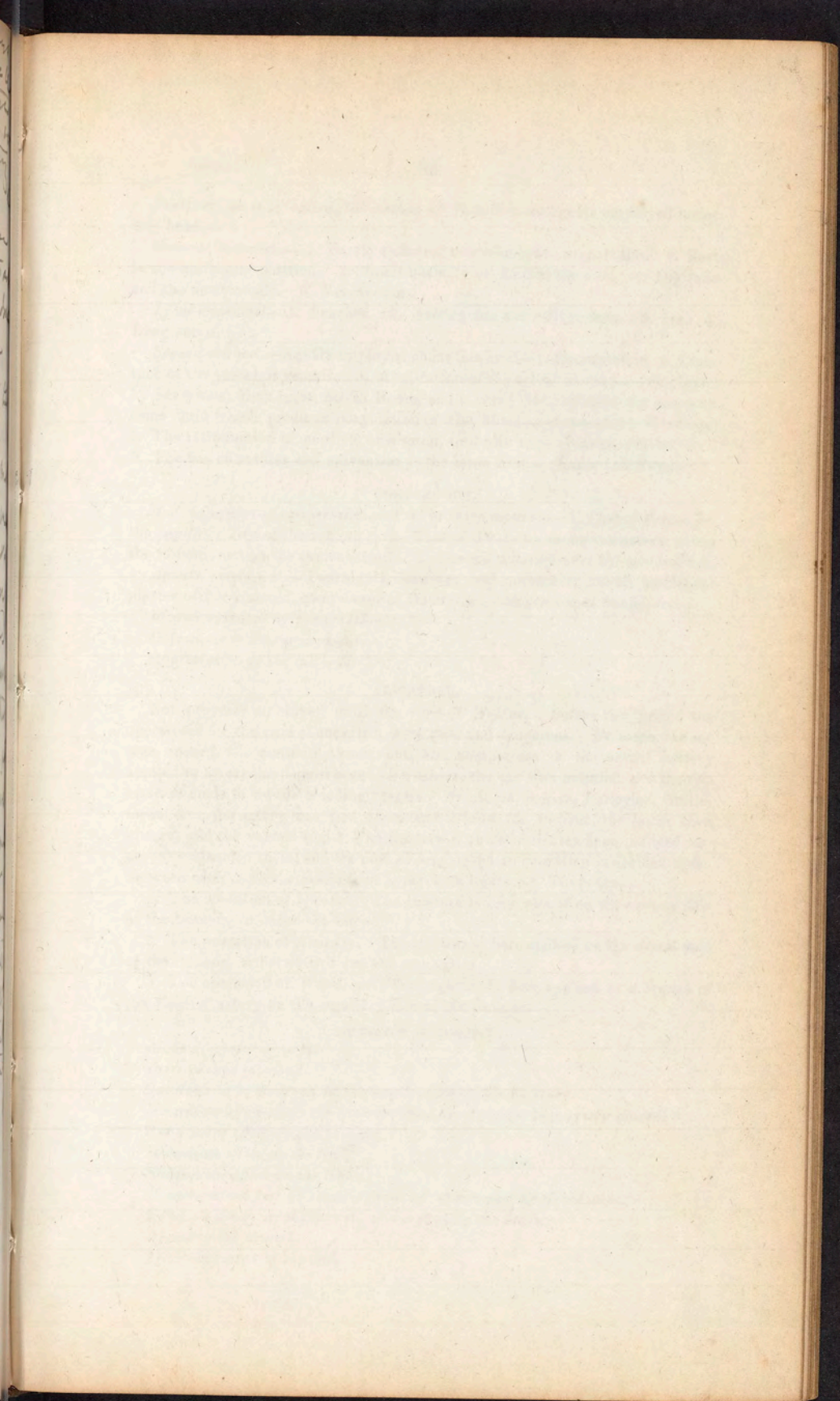
and give rise to a pulsating tumor - the
vascular aneurism differs in the com-
munication being in direct continuity
a tumor between the two - an-
last Aneurism by anastomosis - it
is an erectile tumor - consisting of an
enlargement of vessels held together by
cellular tissue - Breschet has taken
the shape of tumor as a base of classifi-
cation for nothing. No of tumors is vascular in false
extracranial generally have but one but if Spont
aneous may have several, have cause of aneurism
not known the treat mnt turn on it. - Treat-
division into 2 groups Endog and Exogenous aneurism
where the aneurism is true it is Endog where
false it is Exog - Causes Predisposing and
Exciting - 1st for Predis - a disease of vessels fatty
degen - b - sex male more exposed C-Age nearly
always spontaneous in old. Location of vessels in
helpful in diagnosis - a location violence
and strong predisposing - f - size larger more
widespread - 2 - Exciting causes a dilation of vessel
they sometimes lacerate at every pulsation of heart
shock out that heat is broken, & some with
a wound, c - ulceration of coats - Symp
Caus - & Local. 1. Traumatic aneurism
no constitutional disturbance unless formation
in consequence of pressure of tumor. 2nd
Has an endurable dysphasia Melancholia and
the greatest excitement or smallest causes
with constitutional symp are uncom-
Local phenomena - pulsation and a
peculiar throb gives pain sometimes and
in early stages always worse in size gives
pain if press on the nerve

when can cause the pulsation of
tumor to cease by pressure on
the artery — though sometimes the
diagnosis can not be certain
though false in all cases but in
some more grave than in others
when depends on some constitutional
cause don't commit yourself in prog-
nosis — Progress usually slow coming on
for many years — may have it develop
rapidly as it grows forms adhesions and
parts adherent are gradually absorbed
in consequence of the pressure of the
blood by progressive absorption — a common
result — as tumor grows through the bone
the integuments form adhesions which
become discolored and in course of time
it gives way — as it increased in size
the blood becomes deposited and even
sometimes effects a spontaneous cure,
Termination a — is very rare owing
to a coagulum filling up the opening
of sac — the fibrin may be deposited to
such an extent that blood cannot
get into it, occasionally when inflam-
mation sets in and the lymph poured may
fill up the sac and accomplish a
radical cure, Sloughing may cure
it the slough separating giving rise
to lymph — b. When left to itself generally
terminates in death — by hemorrhage never
trust to nature c — the tumor in chest may
compress stomach and he may die from
exhaustion

Treatment - never treat if he has any other
disease of serious nature - And in treat no expect
to cut off supply of blood may take course
gradually or at once - a diminution of the
force of circulation is sometimes the only plan
Treatment of Valvular to internal aneurism
Diminish the aneurism action of heart put the
patient to bed and strive him nearly to death
never give him more than 3 or 4 oz of food at
time abstract fluid and hence Rap away
water let him suck a piece of ice and take
abstract blood and give internal acetate
of Lead opii if it purges or gripes with
small doses of Opistalis Don't bleed continually
if full and ^{lucens} plethoric bleed several times
Local application of tumor painful cold long
section of Dr Harrison passing through the
intestine - This is the operation in all internal
Aneurism - Surgical measures - Compress
old of all in a variety of ways in cardiac
side and has again been used in the opposite
Inflammation and sloughing always results
in this plan - 1843 - Dr Busac Jillingham intro-
duced alternate Compression object to diminish
almost entirely - In Aneurism by Compression
use the tourniquet of Chambers - put one pad
on artery and other on opposite side of the
limb one below and the other above -
loosen one and tighten the other alternately
while the patient can bear it use a
roller bandage between the two to prevent
the swelling of the limb, excellent plan
acts by throwing the blood into an extensive
circulation and aids by preparing limb

for an operation since should always
employ this first - Lig was not well
understood until time of Hunter the
operation before him the operations were
very rude and dangerous consisting
of opening the artery and applying the
hot iron - Hunter's operation was a lig on
cardiac side sometimes can't tie the art
on other side where this can't be done
Wardrop's method next in vogue
Anastomosis its necessary sometimes to tie
both above and below the artery

Hunter's operation - Lay down a rule make
as little dissection as possible be careful not
to destroy vasa vasorum - tie as near tumor
as possible to prevent the possibility of an
anastomosing branch passing over and
giving rise to hemorrhage & where the art
branches above the tumor, see that the
patient is in such a position that the
pulsation will go on favorably - Ties
when art laid bare pass lig by an animal
needle tie above tumor - the effect on
tumor is with shrink pulsation will cease
the limb gets cold, little pain in tying and
little inconvenience from 2 to 24 hours the
limb gets hot just warm limb in cotton
and cover the patient don't take off the
cotton Keep the limb elevated -



[Faint, illegible handwriting on lined paper, likely bleed-through from the reverse side.]

First, or, as it is called, the method of Valsalva.—Agents employed under this head—

General remedies.—1. Barely sufficient nourishment to support life. 2. Rest in the horizontal position. 3. Small quantity of fluid in the diet. 4. Digitalis and the antimonials. 5. Venesection.

Local remedies.—1. Leeches. 2. Astringents and refrigerants. 3. Ice. 4. Long seton.

Second method.—Agents employed under this head—1. Compression. 2. Ligature of the vessel or vessels. 3. Application of the actual cautery—(employed by Severinus, Monteggia, Sir E. Home, and others.) 4. Injecting the sac with some fluid which produces coagulation of the blood—(proposed by Wardrop.) 5. The introduction of needles, or a seton, into the sac—(Pravaz, Philips, &c.) 6. The use of needles and galvanism at the same time—(Keate and Faraday.)

COMPRESSION.

Mode of applying compression.—Two or three methods—1. That of *Vernet*, on the *capillary* side of the tumour. 2. That of *Guatanni* along the artery, *above* the tumour, and on the tumour itself. 3. General pressure over the whole limb.

Agents employed.—Tourniquet, bandage and compress, starch bandages; plaster of Paris mould, compressor of Dupuytren, compressor of Sunfio, &c.

Modus operandi of compression.

Objections to its employment.

Appreciation of the method.

LIGATURE.

Not properly employed until the time of Hunter. Before this period the operations for the cure of aneurism were rude and dangerous. By some, the sac was opened, the contents turned out, and compresses or the actual cautery applied to arrest the hemorrhage. By others, the sac was emptied, and then an attempt made to tie the bleeding vessels. By others, *Aetius*, *Philogius*, *Guillemeau*, &c., the artery was tied *above* and *behind* the tumour, the latter then opened, and the vessels tied. The dangers of these measures have induced surgeons to abandon them, and we now choose, when an operation is decided upon, between *three different methods of applying* a ligature. These are—

1. The operation of *Hunter*. The ligature is here placed on the *cardiac* side of the tumour, or *above* the sac.

2. The operation of *Brasdor*. The ligature is here applied on the *distal* side of the tumour, or between it and the capillaries.

3. The operation of *Wardrop*. The ligature is here applied to a *branch* of the diseased artery on the *capillary* side of the tumour.

HUNTER'S OPERATION.

Mode of performing it.

Instruments required.

Cautions to be observed in the application of the ligature.

Immediate effect upon the tumour when the ligature is properly placed.

Subsequent effect on the tumour.

Immediate effect on the limb.

Subsequent effect on the limb.

Time required for the establishment of anastomosing circulation.

Effect on the general System, and especially the brain.

Dressing the wound.

After treatment of the case.

BRASDOR'S OPERATION.

Mode of performing it.

Instruments required.

Cautions to be observed in the application of the ligature.

Immediate effect upon the tumour.

Subsequent effect.

Immediate effect on the limb.

Subsequent effect.

Time required for the establishment of the anastomosing circulation.

Effect on the general system.

Dressing the wound.

After treatment.

WARDROP'S OPERATION.

Mode of performing it.

Instruments required.

Cautions to be observed in the application of the ligature.

Immediate effect on the tumour.

Subsequent effect.

Immediate effect on the limb.

Time required for the establishment of the anastomosing circulation here.

Effects on the general system.

Dressing the wound.

After treatment.

Accidents which may follow the performance of either of these operations :

a. Convulsions.

b. Fever.

c. Secondary hemorrhage.

d. Increase in the size of the tumour.

e. Rupture of the sac.

f. Gangrene of the tumour.

g. Gangrene of the limb.

h. Chronic inflammation and subsequent ulceration of the artery or sac.

i. Plethora.

Peculiar advantages of the different operations discussed.

CAUTERY—INJECTION—NEEDLES—GALVANISM AND ACUPUNCTURE.

These different modes of treatment have recently been introduced into general practice, and, although one or all may prove more or less useful as adjuvants to other remedies of more importance, it is hardly probable that any thing more than this will ever be claimed for them.

Appreciation of all the various methods of treatment for aneurism.

TRAUMATIC, OR FALSE ANEURISM.

Definition.

Causes.

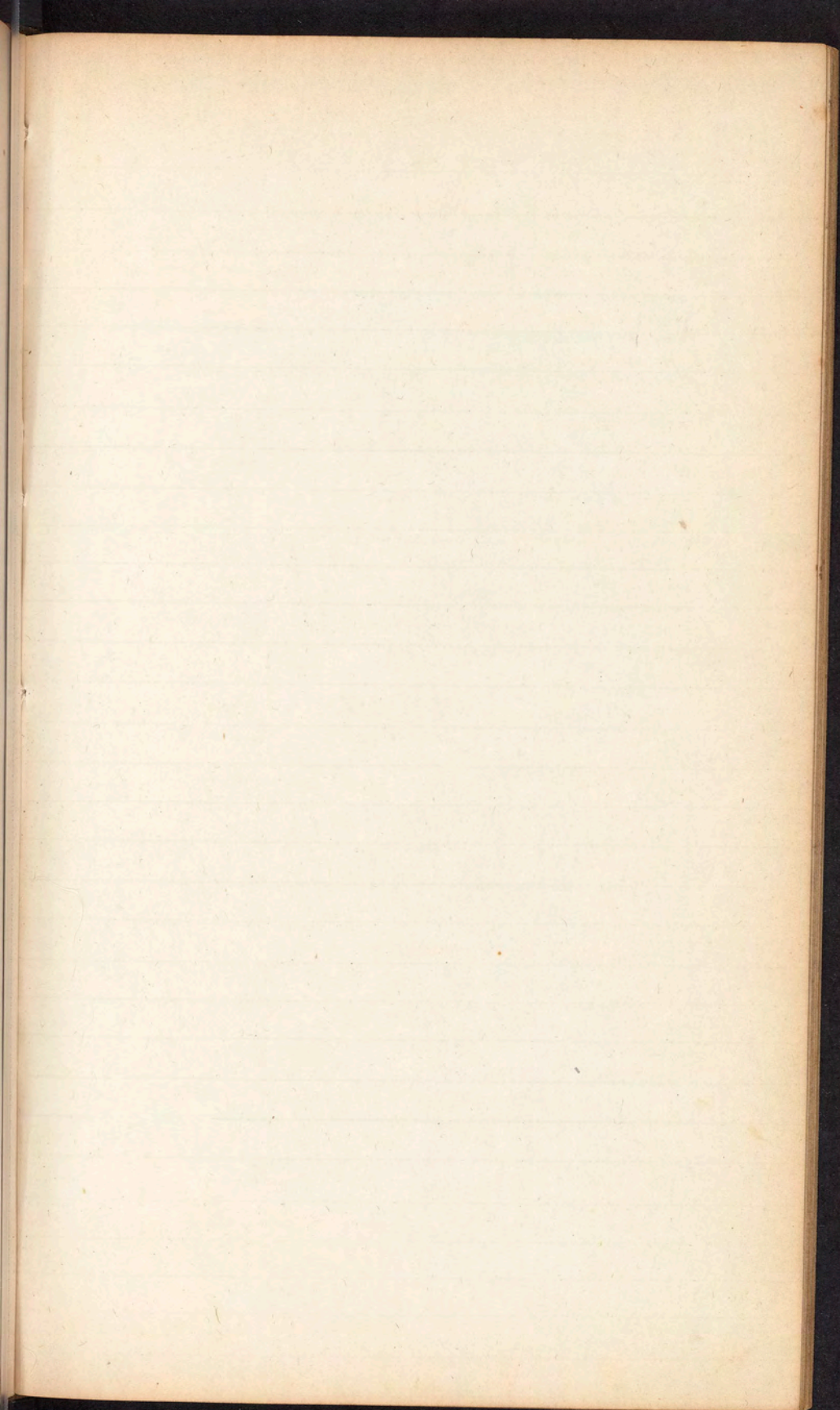
Symptoms.

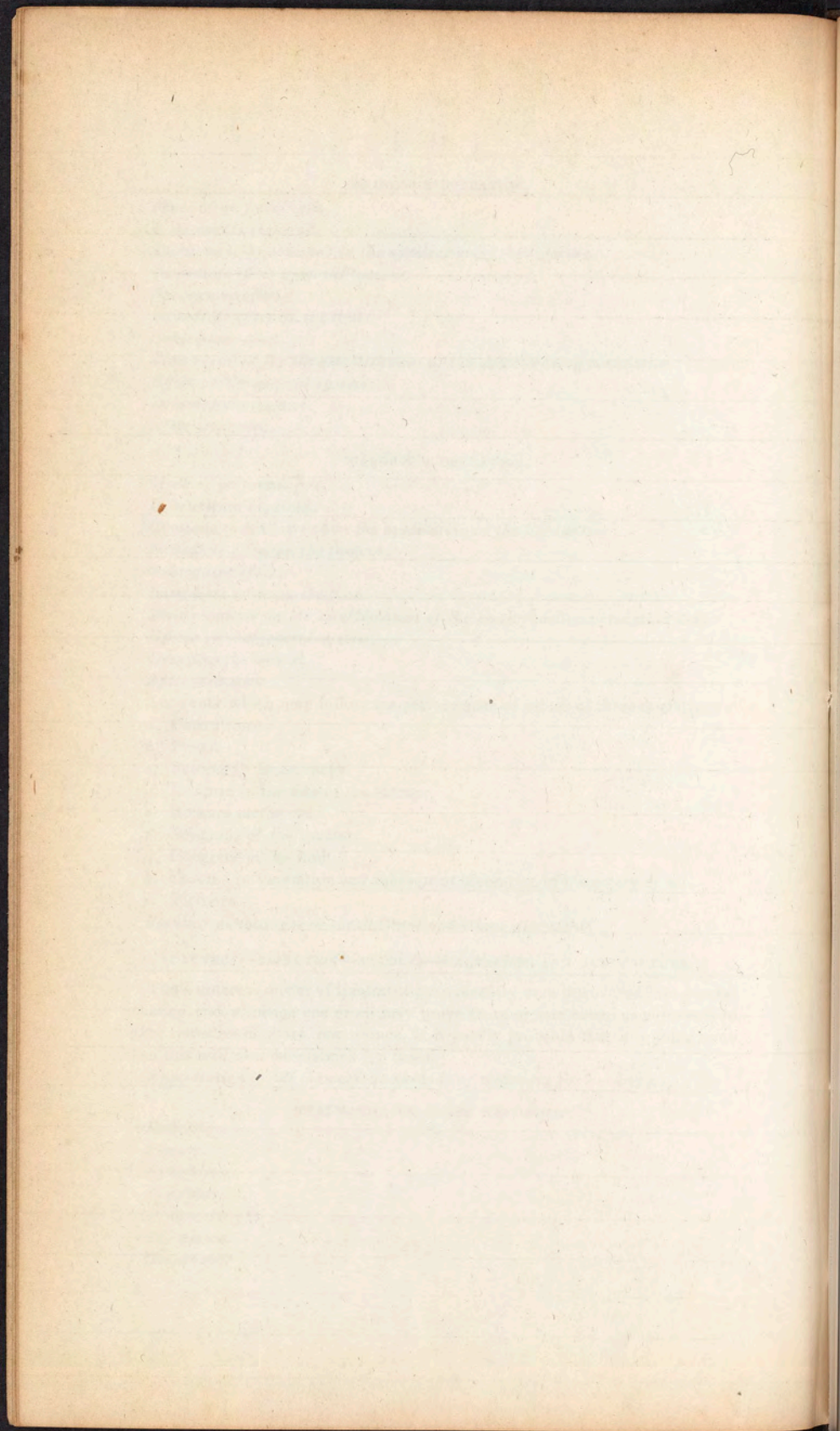
Diagnosis.

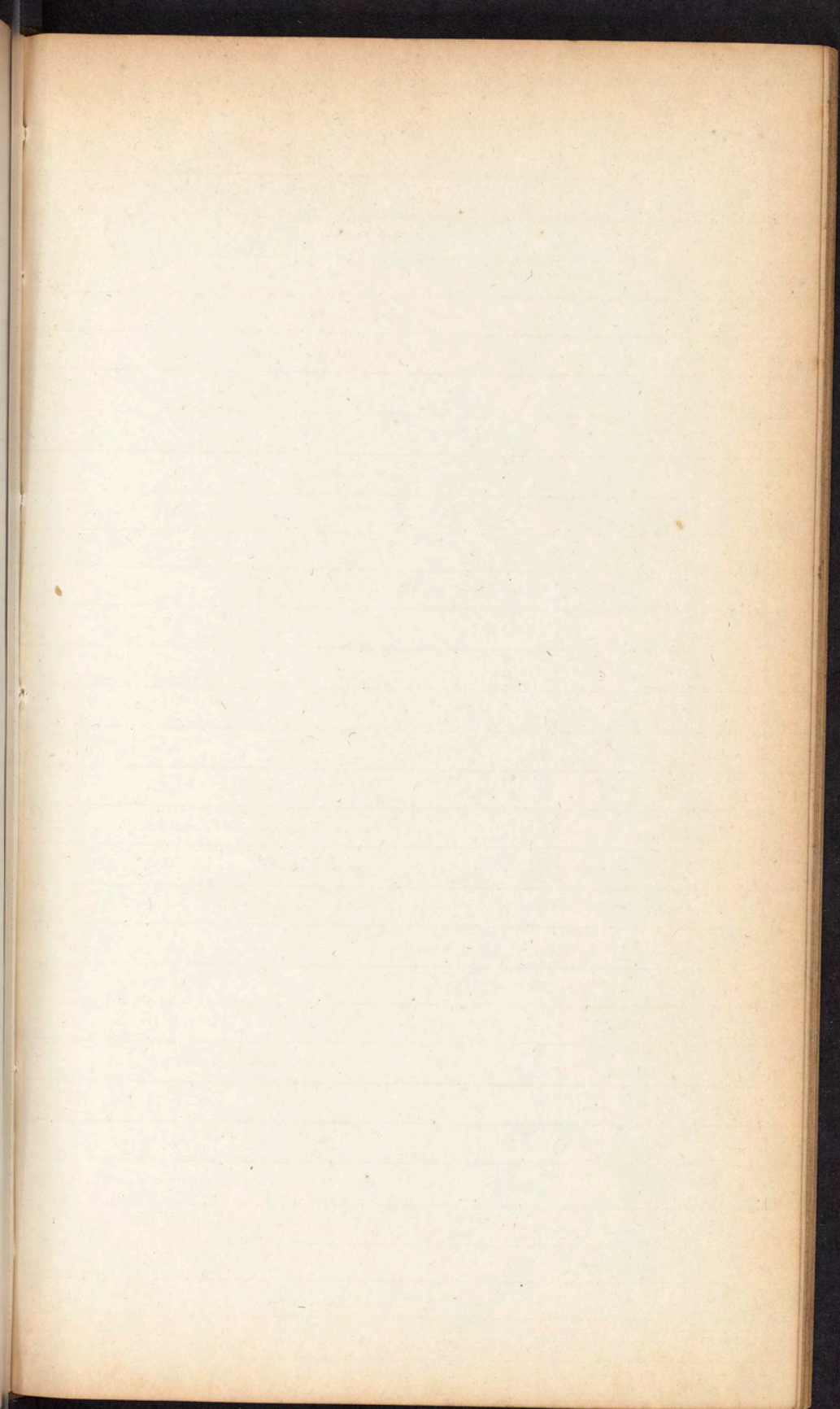
Prognosis.

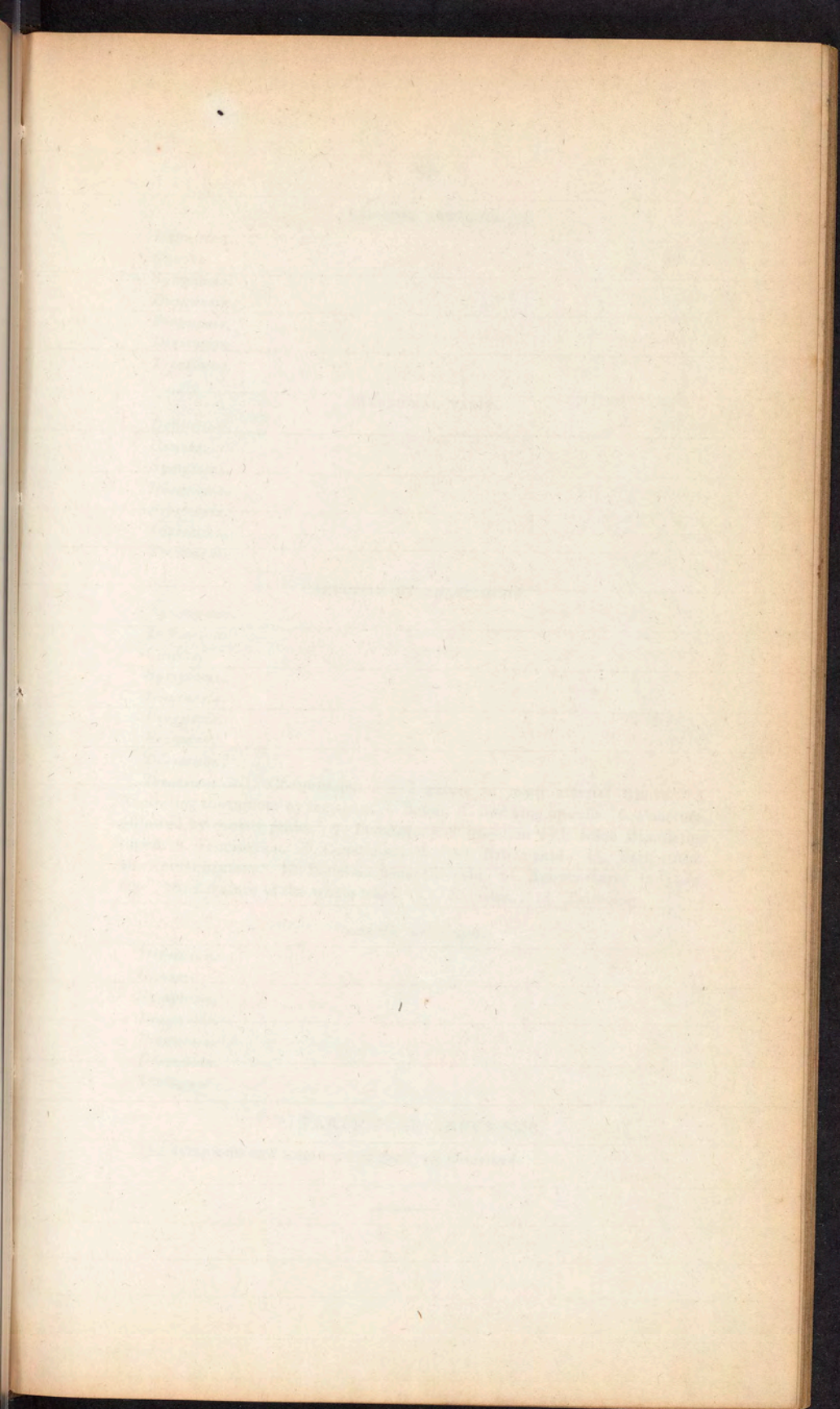
Dissection.

Treatment.









VARICOSE ANEURISM.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

ANEURISMAL VARIX.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

ANEURISM BY ANASTOMOSIS.

Synonymes.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Progress.

Dissection.

Treatment. — 1. Compression. 2. Ligature of main arterial trunks. 3. Encircling the tumour by incisions. 4. Seton. 5. Breaking up cells. 6. Puncture, followed by caustic probe. 7. Puncture, and injection with some stimulating liquid. 8. Vaccination. 9. Caustic potash. 10. Nitric acid. 11. Tart. antim. 12. Actual cautery. 13. Incisions under the skin. 14. Acupuncture. 15. Darning. 16. Ligature of the whole mass. 17. Excision. 18. Tattooing.

OSSEOUS ANEURISM.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. PARTICULAR ANEURISMS.

The symptoms and treatment of each one described.

VIII. DISEASES OF THE VEINS.

I. WOUNDS.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Results.
Mode of healing.
Treatment.

II. RUPTURE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

III. INFLAMMATION, OR PHLEBITIS.

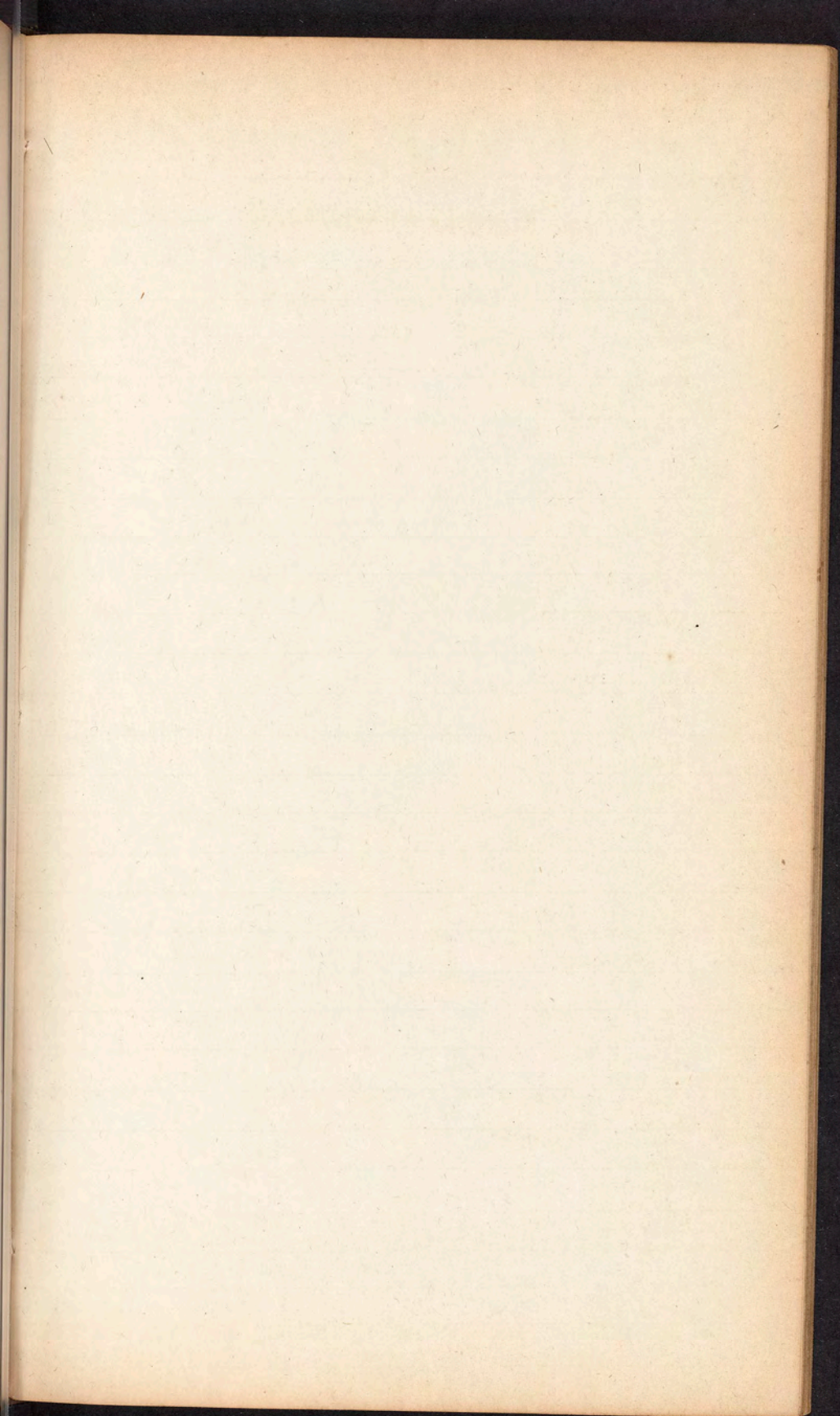
Varieties.—1. Acute. 2. Chronic.
Causes.—1. Constitutional. 2. Local.
Symptoms.—Vary with the intensity of the attack. They may be divided into the *constitutional* and *local*.
Diagnosis.
Prognosis.
Dissection.
Effects resulting from phlebitis.—Obliteration of the vein, visceral abscess, œdema, ulceration of the vessel, calcareous deposits, &c.
Treatment.—1. Constitutional. 2. Local.

IV. AIR IN VEINS.

Effect produced by the introduction of air into the veins.
The manner in which it gains admission.
The causes of convulsion and death in these cases.
Means of preventing its introduction while an operation is going on.
Treatment in the event of its introduction.

V. VARICOSE VEIN.

Nature.
Location.
Extent.—The dilation may be *uniform* or *unequal*, and involve a *portion* of, or the *entire vein*.
Causes.—Anything that will prevent a free circulation of the blood through the vein.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Results.
Treatment.—1. Palliative. 2. Radical.



VIII. DISEASES OF THE VEINS

I. WOUNDS

Causes

Symptoms

Diagnosis

Prognosis

Treatment

Prevention

Remarks

II. RUPTURE

Causes

Symptoms

Diagnosis

Prognosis

Treatment

III. INFLAMMATION OF VEINS

Causes—1. Acute. 2. Chronic.

Symptoms—1. Constitutional. 2. Local.

Diagnosis—Vary with the frequency of the disease. They may be similar to the antecedent condition.

Prognosis

Treatment

Prevention

Remarks—Inflammation of the veins, whether acute or chronic, is a disease of the veins, and is characterized by the presence of the disease in the veins.

Prevention—1. Constitutional. 2. Local.

IV. AIR IN VEINS

Causes—1. The introduction of air into the veins.

2. The rupture of the veins.

3. The rupture of the veins and death in some cases.

Diagnosis—1. The introduction of air into the veins, and the rupture of the veins, and death in some cases.

V. VARICOSE VEINS

Causes

Symptoms

Diagnosis—The swelling may be uniform or irregular, and is often painful.

Prognosis

Treatment—1. The use of a bandage that will prevent a free circulation of the blood in the veins.

2. The use of a bandage that will prevent a free circulation of the blood in the veins.

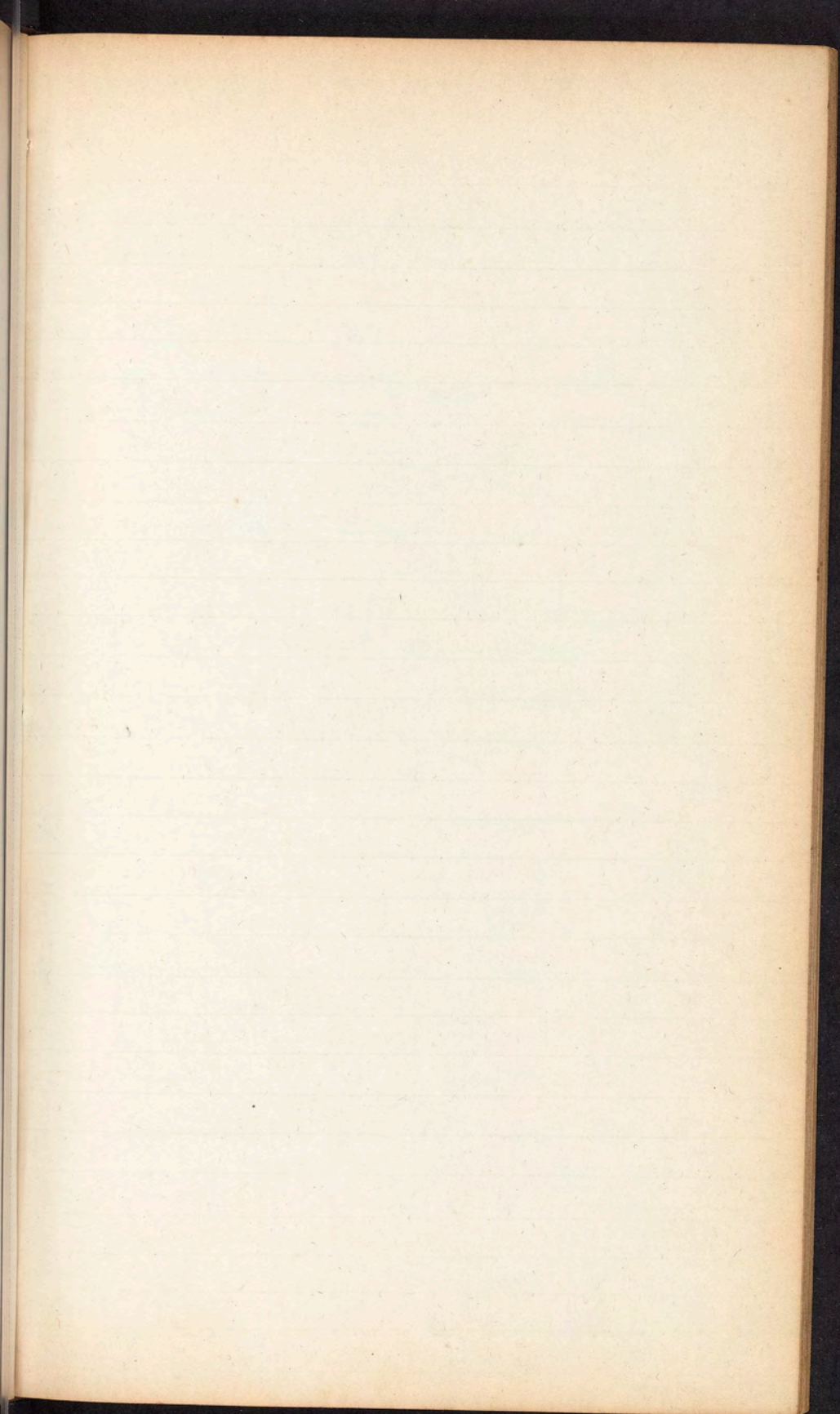
3. The use of a bandage that will prevent a free circulation of the blood in the veins.

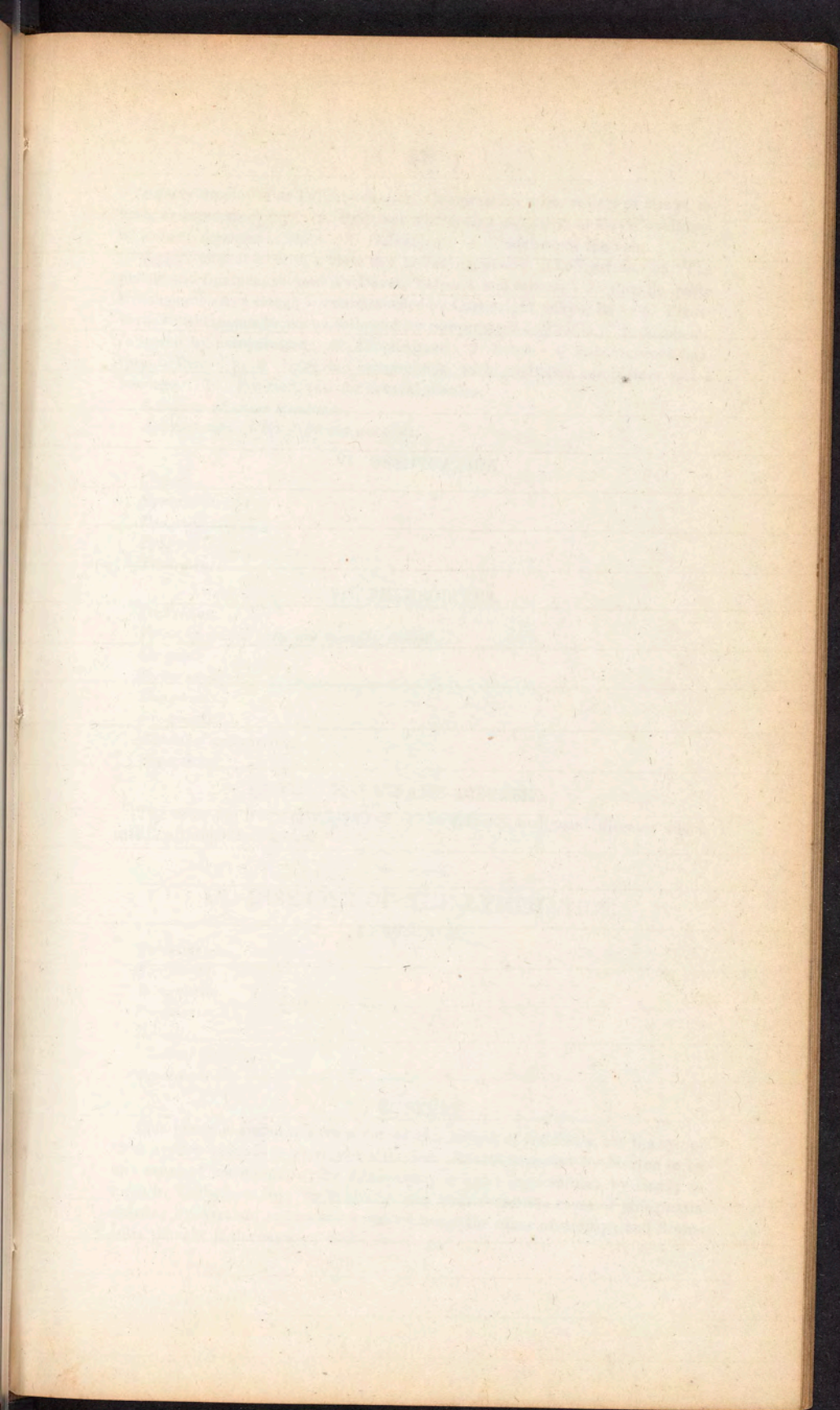
4. The use of a bandage that will prevent a free circulation of the blood in the veins.

5. The use of a bandage that will prevent a free circulation of the blood in the veins.

6. The use of a bandage that will prevent a free circulation of the blood in the veins.

Prevention—1. The use of a bandage that will prevent a free circulation of the blood in the veins.





Agents employed as Palliatives.—1. Compression with rollers or straps, or both, or laced stockings. 2. Frictions with iodine ointment, or Davis's solution of iodine; repeated blisters. 3. Galvanism. 4. Puncture of the vein.

Agents employed with a view to a radical cure.—1. The ligature. 2. The needle and ligature, as used by Davat, Velpeau, and others. 3. Caustic paste which occasions a slough—(recommended by Cartwright, Mayo, &c.) 4. Transverse subcutaneous incisions, followed by compression—(Brodie.) 5. Excision, followed by compression. 6. Acupuncture. 7. Seton. 8 Subcutaneous ligature—(Ricord.) 9. Irregular compression with graduated compresses and a bandage. 10. Position, rest for several months.

Dangers of these measures.

Appreciation of the different methods.

VI. OSSIFICATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VII. PHLEBOLITES.

Definition.

Veins in which they are usually found.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Chemical composition.

Treatment.

VIII. MALIGNANT DISEASES.

The veins are frequently involved in the different malignant diseases which attack all organized tissues.

IX. DISEASES OF THE LYMPHATICS.

I. WOUNDS.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Results.

Mode of healing.

Treatment.

II. RUPTURE.

This lesion is stated to have occurred in a patient of Guiffort's, but the symptoms are too obscure to merit our attention. It was supposed by Morton to be one cause of consumption; by Ackermann, to exist in scrofula; by Henty to exist in Barbadoes leg; by White it was considered the cause of phlegmasia dolens; by Assalani and others it was reckoned the cause of dropsy; and Brombilla thought it the cause of white swelling.

III. VARICOSE DILATATION, OR CIRCUS.

A rare and obscure lesion, present usually in dropsy and some other complaints. As it is an *effect*, it can only be relieved by removing the cause on which it depends.

IV. OSSIFICATION.

Like the arteries and veins, these vessels are liable to calcareous deposits in their coats.

V. ANGIOLEUCITIS, OR INFLAMMATION.

Varieties.—1. Acute. 2. Chronic.

Causes.—1. Direct. 2. Indirect.

Age most liable.—Puberty and old age.

Symptoms.—1. Local. 2. General.

Diagnosis.—May be confounded with *phlebitis*, *neuritis*, *neuralgia*, *erysipelas*, and *phlegmon*.

Prognosis.—It is to be considered generally a dangerous disease.

Progress and duration.—Variable.

Terminations.—Resolution, suppuration, induration, ulceration, sloughing, death.

Dissection.—Three classes of phenomena to study.

1. Those which take place in the vessels.

2. Those which take place in the interposed tissues.

3. Those which take place in the viscera, remote regions, and blood—(Velpeau.)

Treatment.—1. Constitutional. 2. Local.

VI. INFLAMMATION OF LYMPHATIC GLANDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Terminations.

Treatment.

VII. ENLARGEMENT AND INDURATION.

Causes.

Symptoms.

Diagnosis.

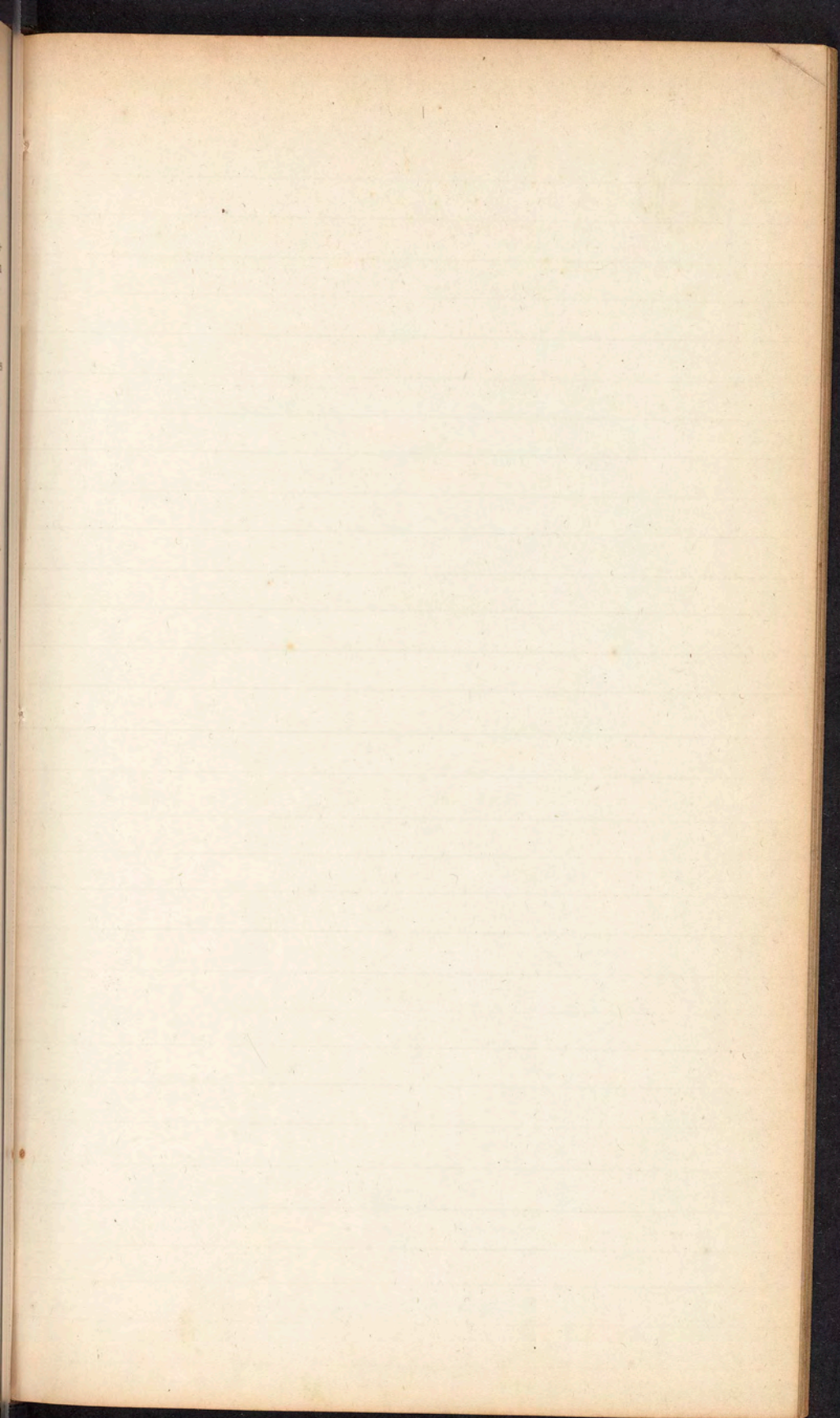
Prognosis.

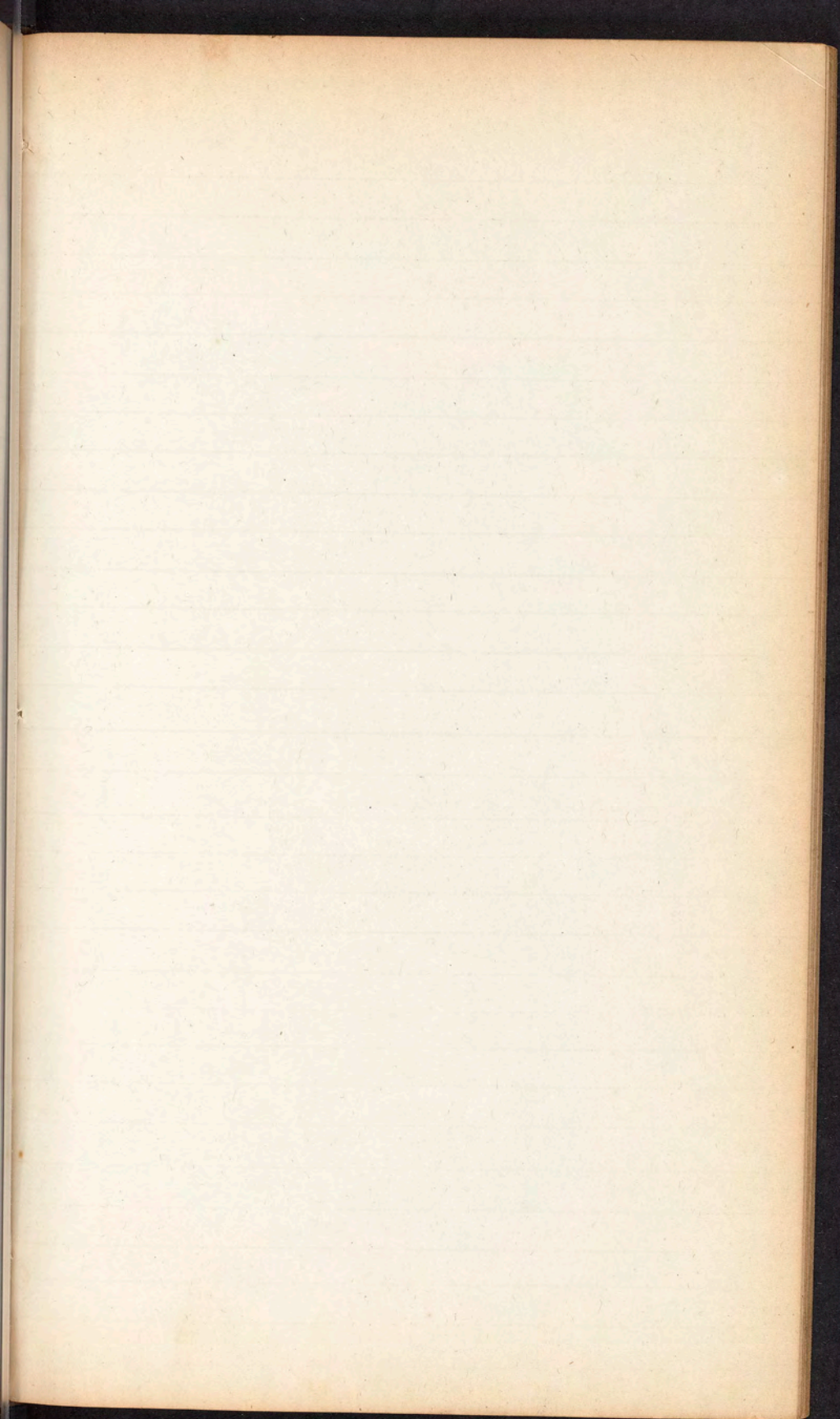
Terminations.

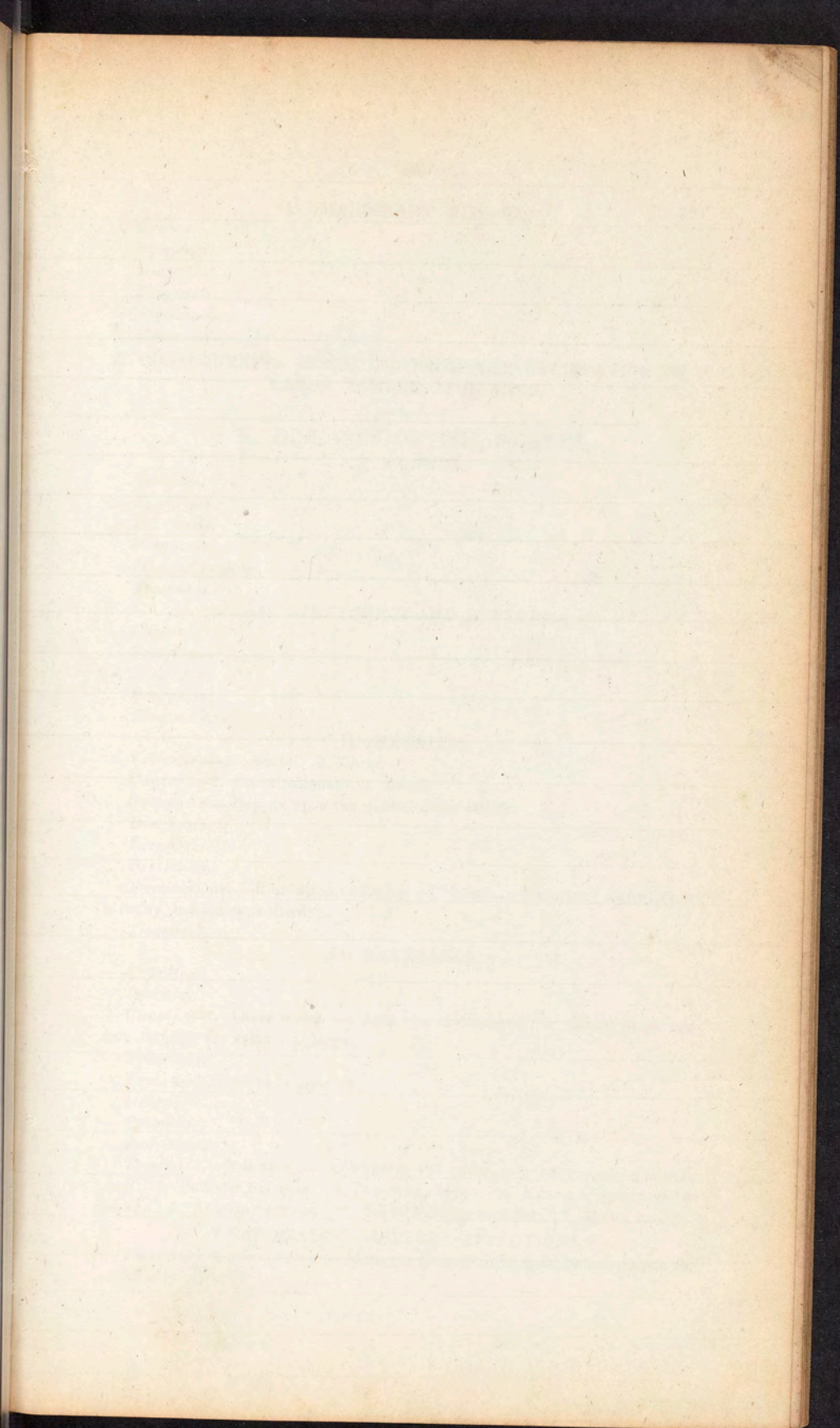
Treatment.

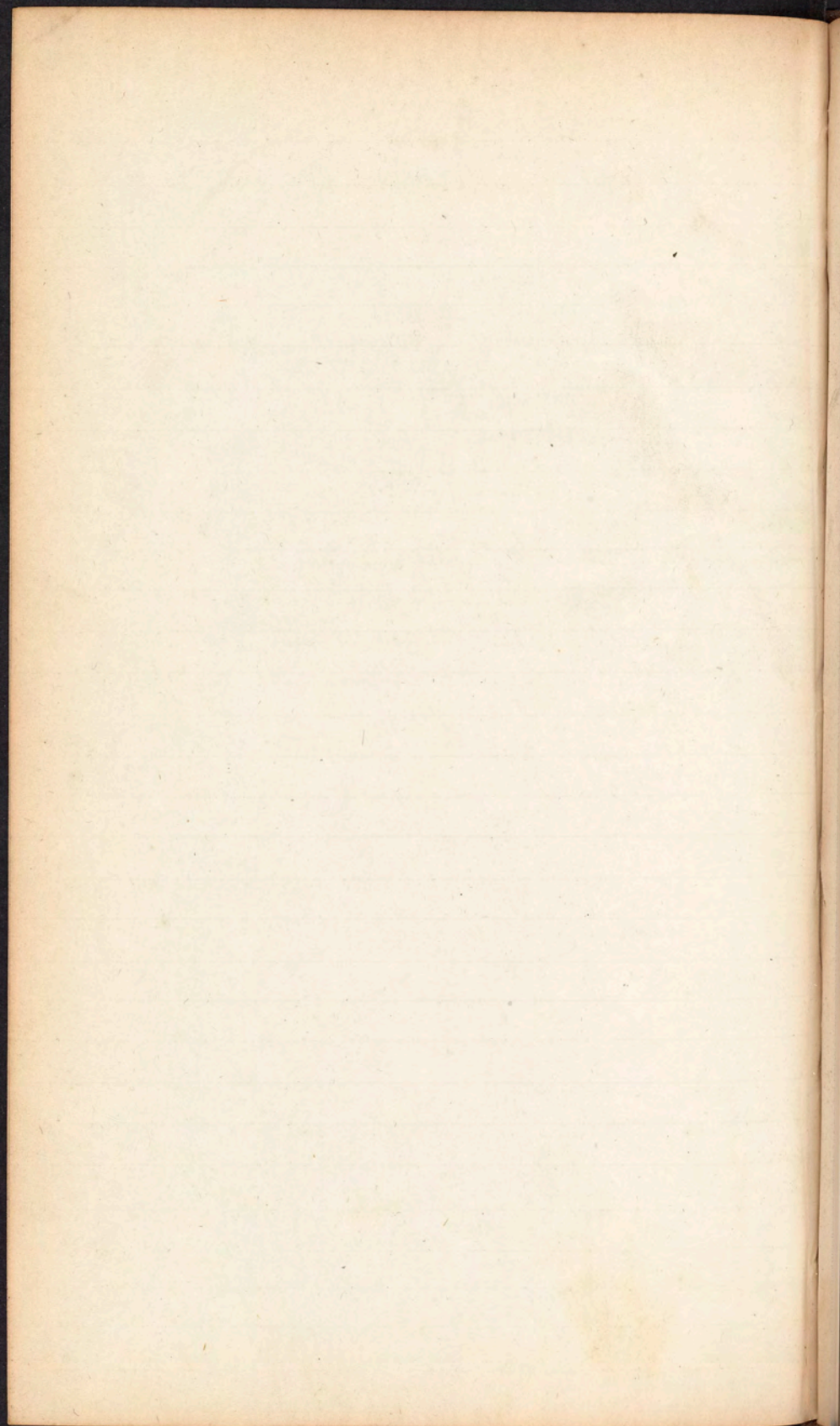
VIII. OSSIFICATION.

Usually the result of inflammation, and the glands most liable are those of the lungs.









IX. MALIGNANT DISEASES.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Terminations.
Treatment.

X. CONSEQUENCES RESULTING FROM THE EXTIRPATION OF A
LARGE NUMBER OF GLANDS.

X. DISEASES OF THE NERVES.

I. WOUNDS.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Mode of healing.
Treatment.

II. STRETCHING AND RUPTURE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

III. NEURITIS.

Varieties.—1. Acute. 2. Chronic.
Causes.—1. Constitutional. 2. Local.
Symptoms.—Depend upon the nature of the attack.
Diagnosis.
Prognosis.
Dissection.
Terminations.—Resolution, effusion of lymph, ulceration, hypertrophy, atrophy, hardening, softening.
Treatment.

IV. NEURALGIA.

Definition.
Varieties.
Causes.—1. Those which act upon the nerve itself. 2. Those which operate through the system at large.
Symptoms.
Parts most liable to be attacked.
Diagnosis.
Prognosis.
Pathology.
Treatment.—Indications—1. Remove the cause, whether *constitutional* or *local*. 2. Palliate the pain. 3. Divide the nerve. 4. Excise a portion of the nerve. 5. Acupuncture. 6. Electro-magnetism, &c. 7. Moxa, &c.

V. ANOMALOUS NERVOUS AFFECTIONS

These vary in character ; and of course the treatment must be based upon the peculiarity of each.

VI. HYSTERICAL NEURALGIA.

*Definition.**Persons most liable.**Parts most liable to be attacked.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Pathology.**Treatment.*

VII. TUMOURS.

Varieties.—Solid, or encysted.

Location.—In the neurilema; between the superficial fibres of a nerve, or they may implicate all the fasciculi at the part attacked; and again, they may be developed upon the extremity of a divided nerve in the shape of a little button. Lastly, they may occupy the large and deeply seated nerves, or the superficial and cutaneous; when developed in the latter situation, the tumour is called “painful subcutaneous tubercle.”

Causes.—Blows upon the part, the application of a ligature, &c.

Symptoms.—Depend upon the location of the tumour. They belong, however, to the class of “nervous symptoms,” general as well as local.

*Diagnosis.**Prognosis.**Pathology.**Treatment.*—1. Palliative. 2. Radical.*Palliative means—**a.* Leeches.*b.* Counter irritation.*c.* Fomentations.*d.* Anodynes.*Radical means—**a.* Division of the nerve above the tumour.*b.* Extirpation of the tumour.*c.* When the tumour is a *cyst*, puncture followed by compression.*Condition of the limb after the removal of a portion of the nerve.*

VIII. TETANUS.

Definition.

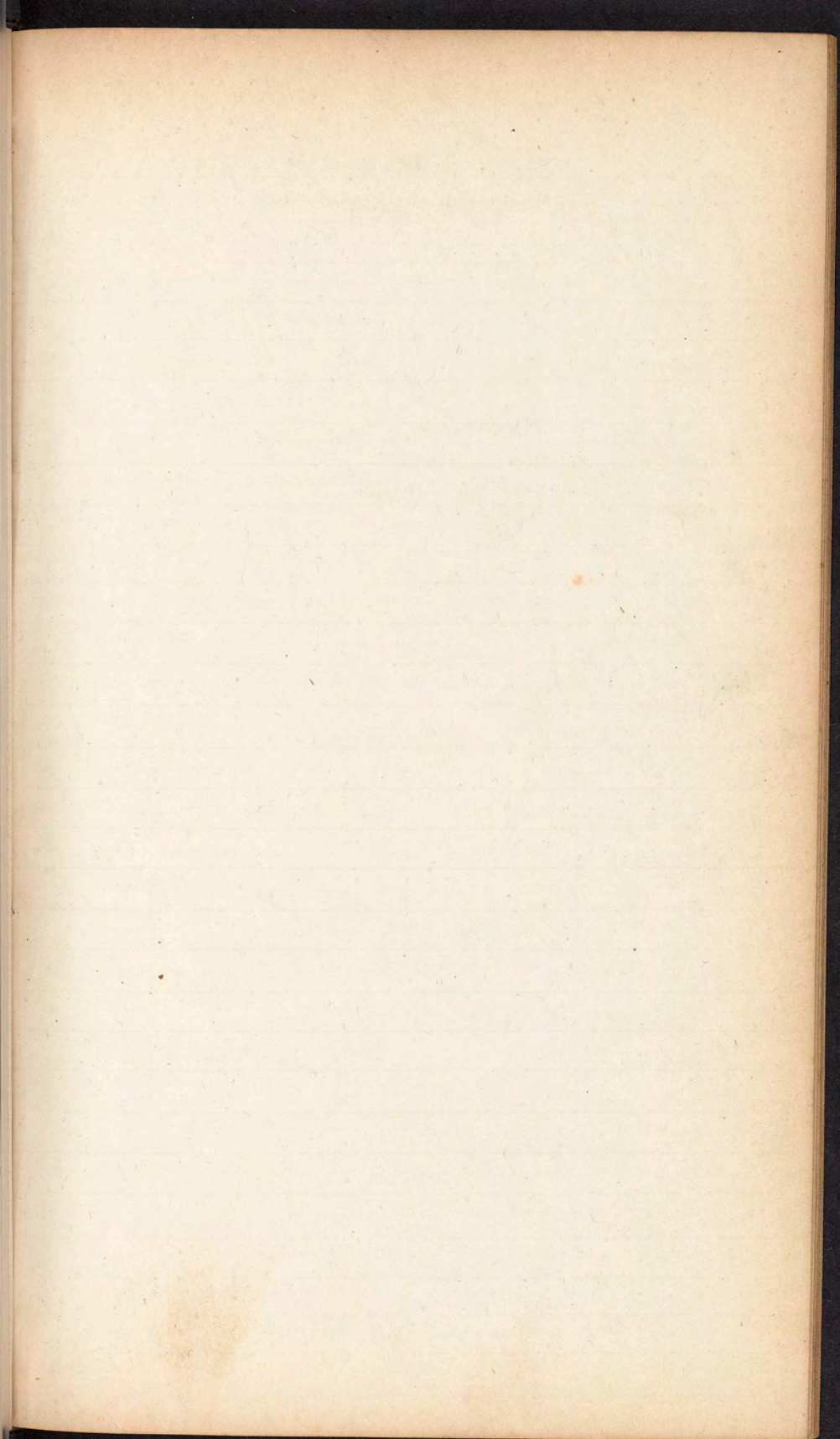
Varieties as to muscles affected.—1. Opisthotonos. 2. Emprosthotonos. 3. Pleurosthotonos. 4. Trismus, or locked jaw.

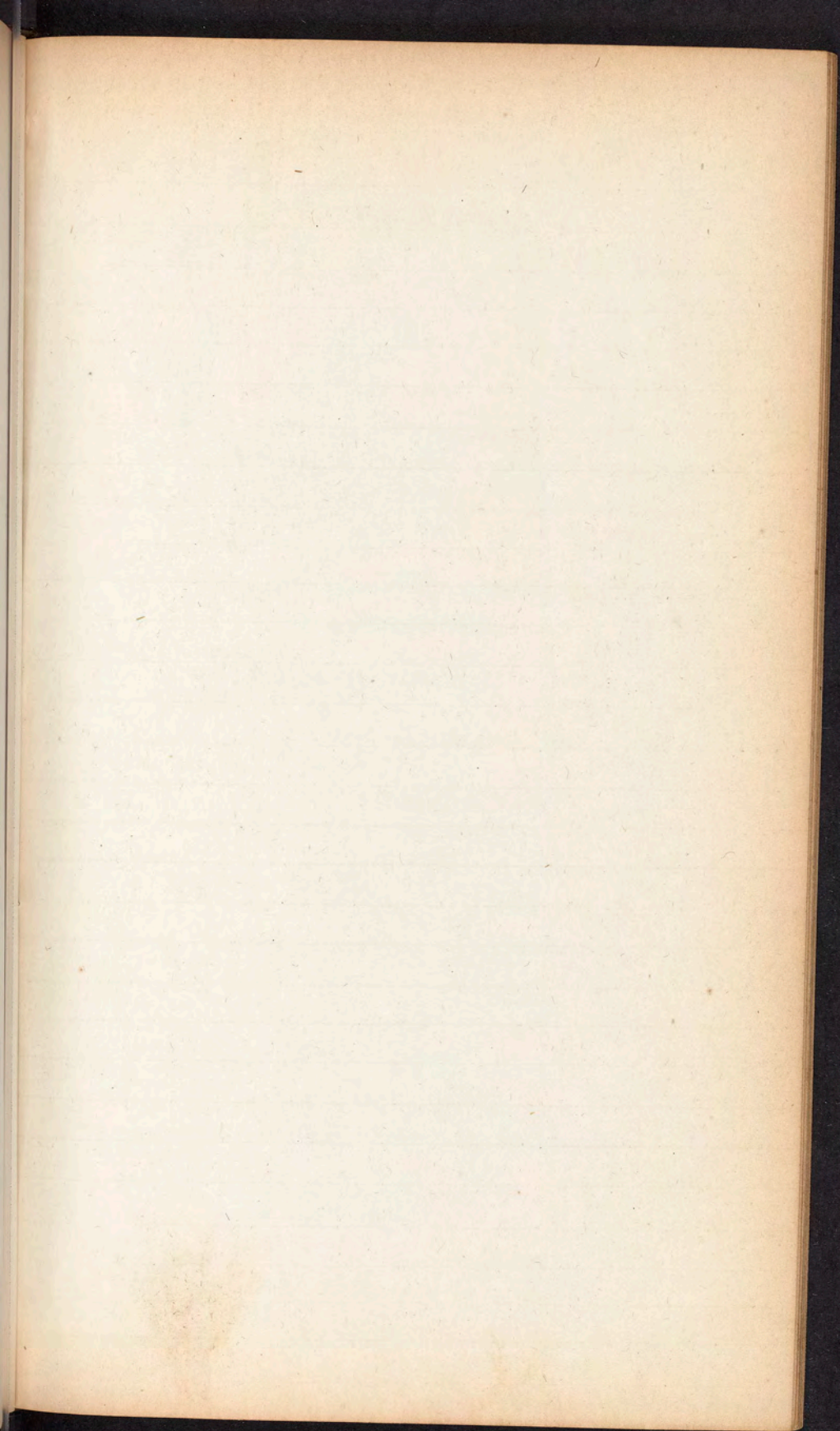
Varieties as to cause and duration.—1. Traumatic. 2. Idiopathic. 3. Acute. 4. Chronic.

Causes.—1. Constitutional. 2. Local.

Symptoms.—Vary with the location as well as the intensity of the attack. General symptoms stated.

*Diagnosis.**Prognosis.**Pathology.**Treatment.*—1. General. 2. Local.





12. FEBRUARY

Section
 Section
 Section
 Section
 Section
 Section
 Section

1. OTHER ORGAN SYSTEMS

The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body.

2. DISEASES OF THE VENTRICULAR SYSTEM

1. HEART DISEASES

Section

2. PERICARDIUM OR SURROUNDING BY MEMBRANE

Section

3. PERICARDIUM DISEASES

Section

4. CORONARY

Section

5. VALVES

Section

6. HEMORRHOIDS

The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body.

Section

Section

Section

Section

Section

7. NERVOUS SYSTEM

The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body. The system of the other organs are also a part of the whole body.

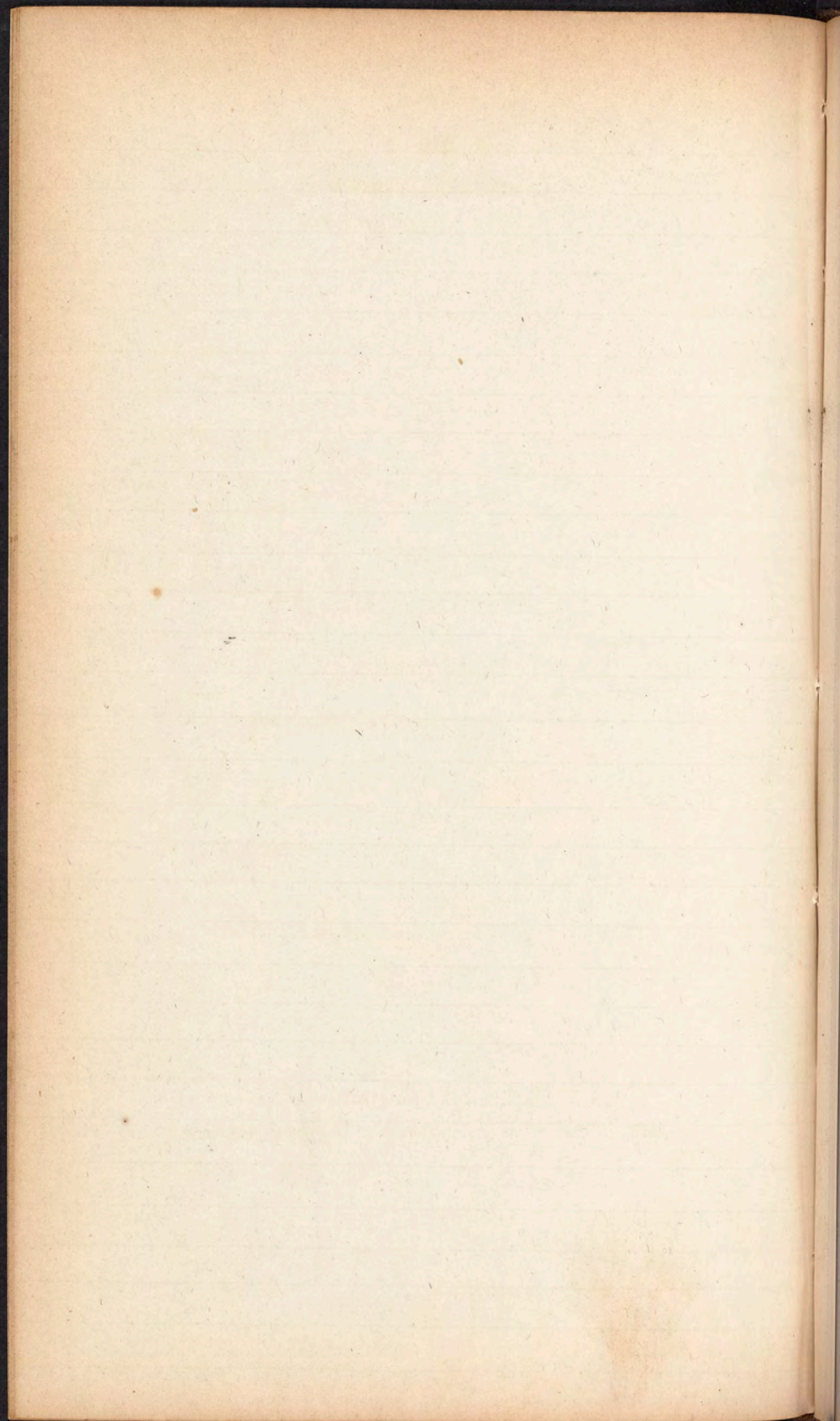
Section

Section

Section

Section

Section



IX. PARALYSIS.

Definition.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Pathology.

Treatment.

X. OTHER ORGANIC LESIONS.

The nerves, like the other tissues, are liable to hypertrophy, atrophy, hardening, softening, ulceration, and malignant diseases of various kinds. But these lesions are rarely recognized until after death, or they give rise to the phenomena already referred to as characteristic of diseases to which specific names have been assigned.

XI. DISEASES OF THE CELLULAR TISSUE.

I. SIMPLE INFLAMMATION.

See "Inflammation."

II. PHLEGMON, OR CIRCUMSCRIBED INFLAMMATION.

See "Phlegmon."

III. ERYSIPELATOUS INFLAMMATION.

See "Erysipelas."

IV. CARBUNCLE.

See "Charbon or Carbuncle."

V. ABSCESS.

See "Abscess."

VI. HEMORRHAGE.

Causes.—Mechanical injuries, and diseases of a peculiar character, as purpura, scorbutus, typhus, &c.

Character of the blood.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

VII. SEROUS EFFUSION.

Synonym.—Edema, anasarca, aqua intercus, leucophlegmasia, &c.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Different kinds of serum effused.

Treatment.

VIII. INDURATION.

Synonym.—Scleroma, skin-bind.

Persons most liable.—Children.

Causes.

Symptoms.

Duration.

Prognosis.

Diagnosis.

Character of the tissue.

Treatment.

IX. EMPHYSEMA.

Synonym.—Pneumatoxis spontanea et traumatica.

Causes.—Mechanical injuries, and sometimes it occurs spontaneously.

Parts of the body most liable to this collection.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

X. TUMOURS OF DIFFERENT KINDS.

See "Tumours."

XI. CONDENSATION INTO CYSTS.

Causes.

Indications that they have formed.

Uess of these cysts.

XII. DISEASES OF THE ADIPOSE TISSUE.

I. INFLAMMATION.

See "Inflammation."

II. WOUNDS.

See "Wounds."

III. HEMORRHAGE.

Causes.

Character of the blood.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

IV. HYPERTROPHY, OR POLYSARCIA.

Varieties.—1. Partial. 2. Complete.

Causes.

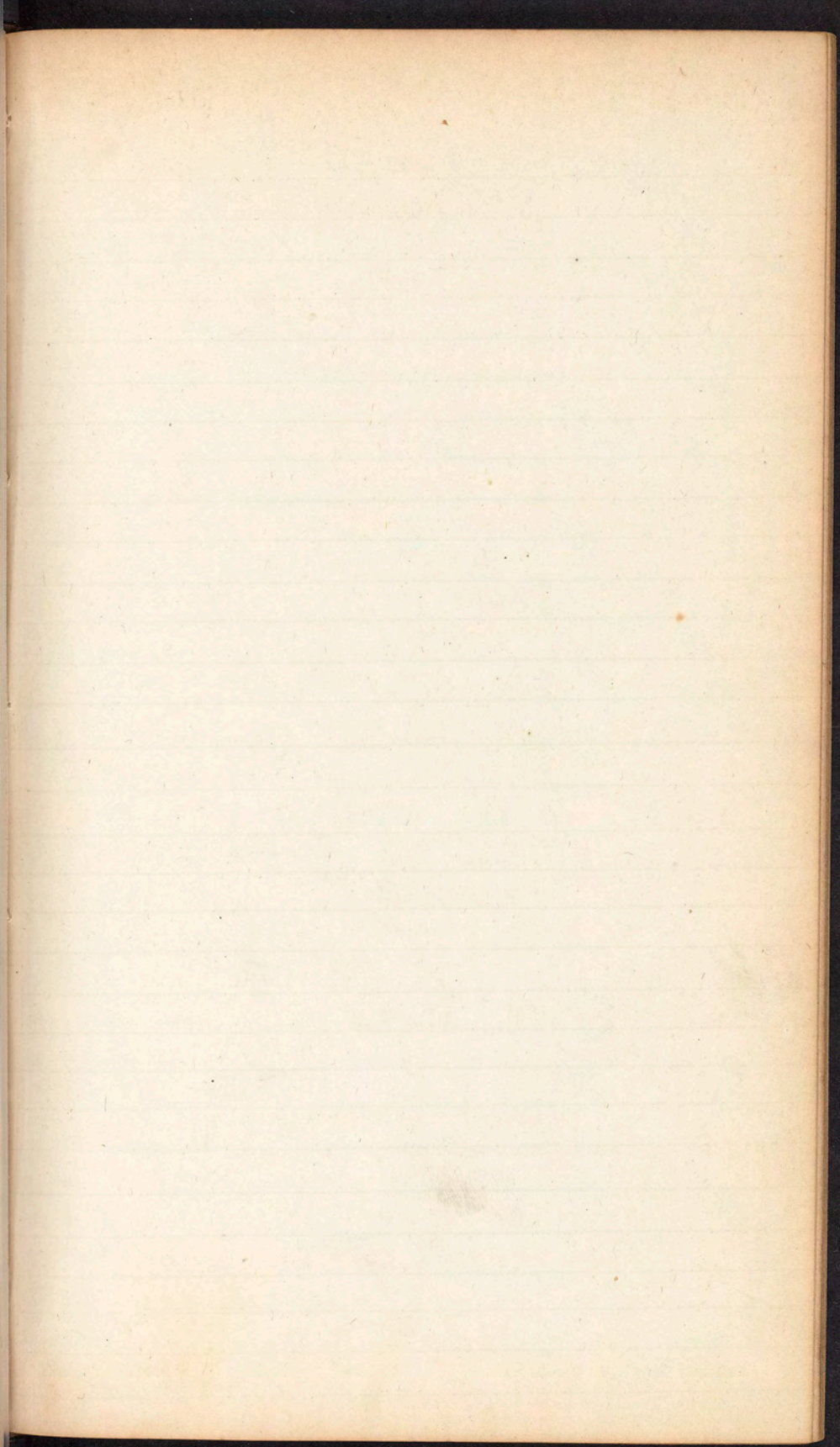
Symptoms.

Prognosis.

Diagnosis.

Dissection.

Treatment.



III. INFLAMMATION

Definition of inflammation

Causes of inflammation

Local

Systemic

Characteristics

Redness

Swelling

Heat

Pain

Loss of function

IV. DEFENSE

Definition of defense

Causes of defense

Local

Systemic

Characteristics

Redness

Swelling

V. EFFECTS OF INFLAMMATION

Local

VI. RESOLUTION OF CYCLES

Local

Systemic

Characteristics

VII. DISEASES OF THE ADIPOSE TISSUE

I. INFLAMMATION

Local

II. CYCLES

Local

III. DEFENSE

Local

Systemic

Characteristics

Redness

Swelling

VIII. HYPERTROPHY OF TISSUES

Local

Systemic

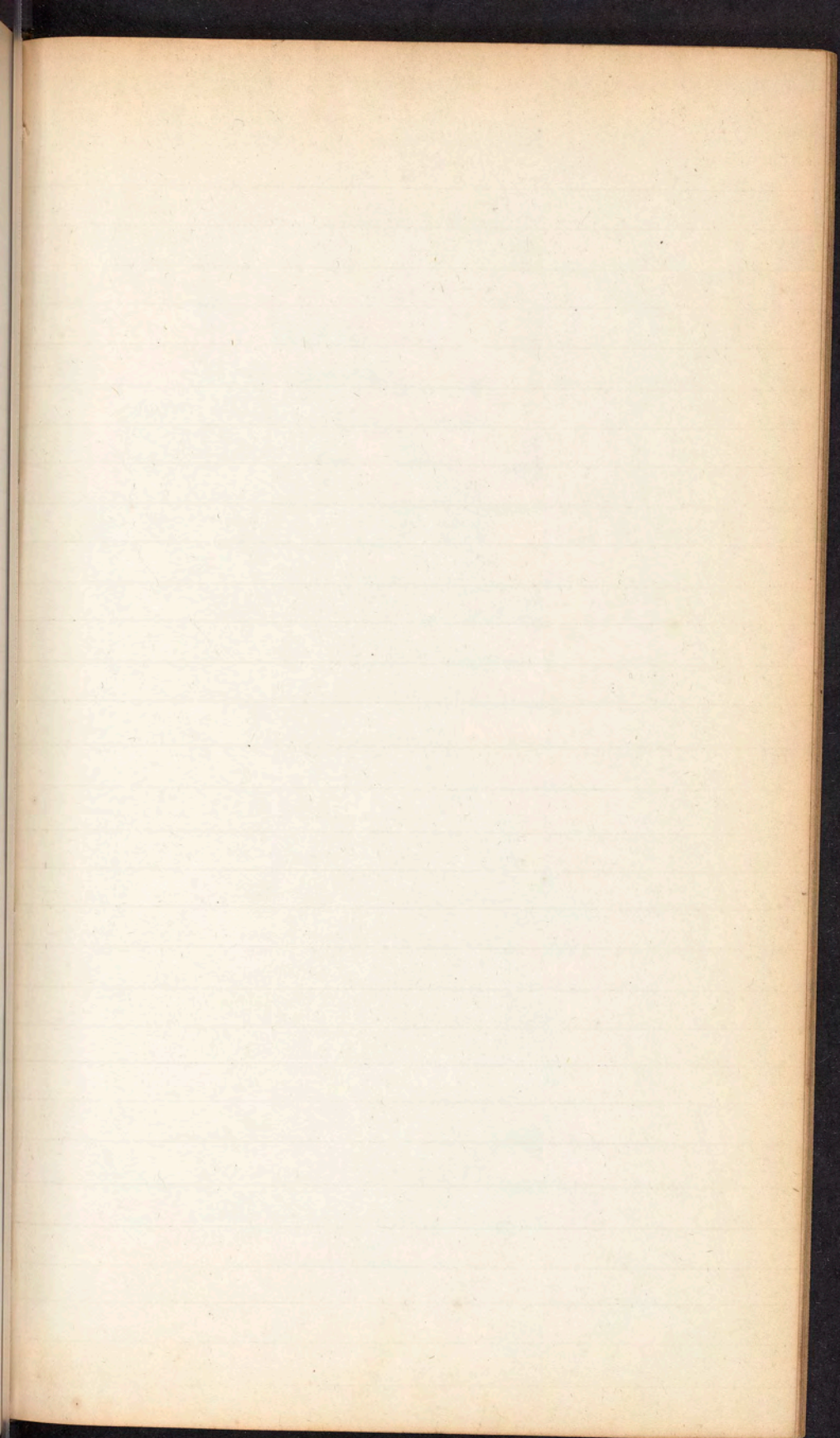
Characteristics

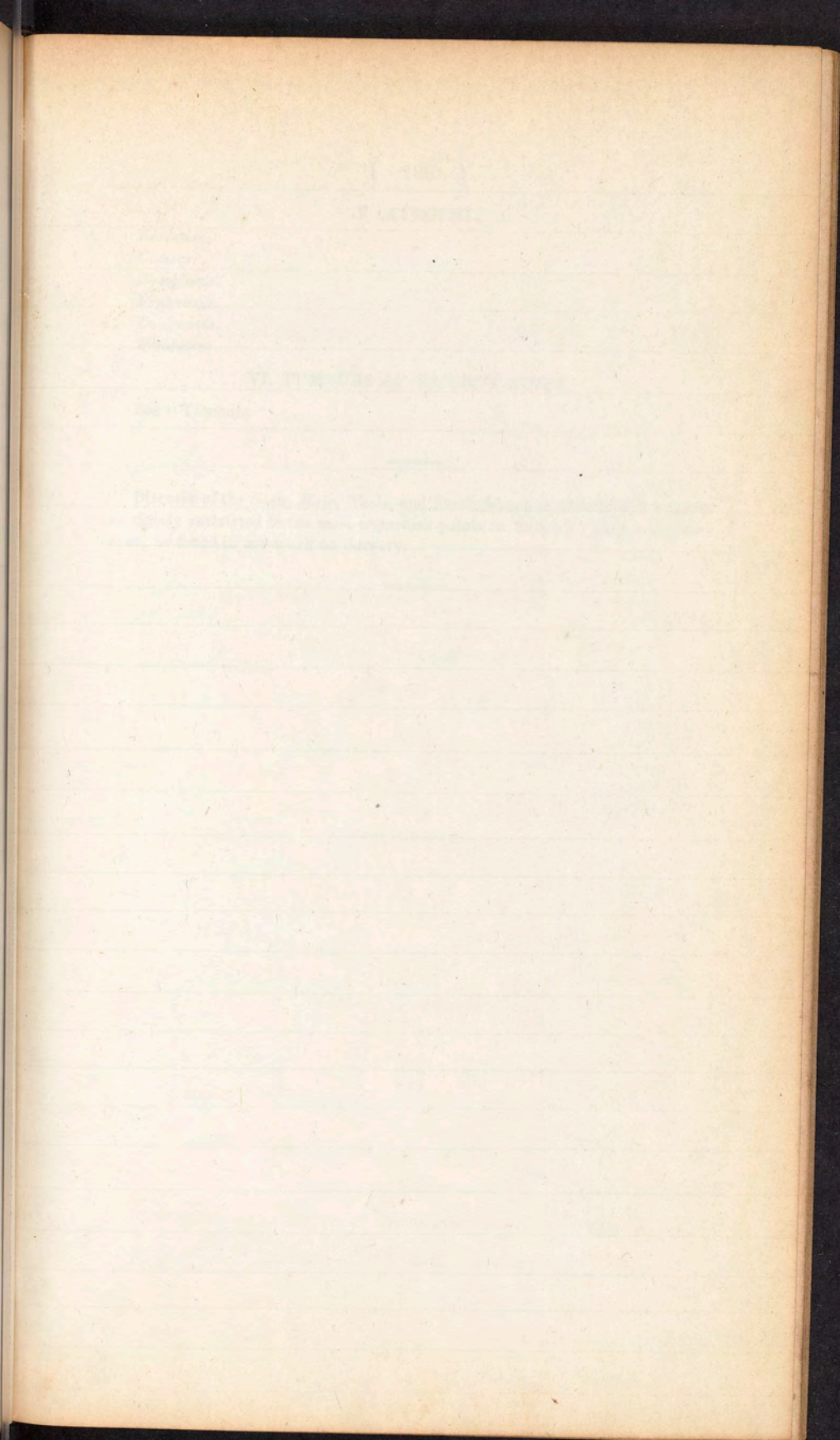
Redness

Swelling

Heat

Pain





V. ATROPHY.

Varieties.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

VI. TUMOURS OF VARIOUS KINDS.

See "Tumours."

Diseases of the *Skin, Hair, Nails, and Teeth* cannot be embraced in a course so rigidly restricted to the *most important* points in Surgery ; they will, however, be found in my work on Surgery.

THIRD DIVISION, OR DISEASES OF REGIONS AND ORGANS.

I. INJURIES OF THE HEAD.

I. WOUNDS.

Importance of these injuries.

Classification.

a. Wounds involving the scalp alone.

b. Wounds involving the scalp and bones.

c. Wounds involving the brain and its membranes, as well as the scalp and bones.

a. SUPERFICIAL WOUNDS.

I. INCISED WOUNDS.

Causes.

Symptoms.

Prognosis.

Results.

Treatment.

II. LACERATED WOUNDS.

Varieties.

Causes.

Symptoms.

Prognosis.

Results.

Treatment.

III. CONTUSED WOUNDS.

Causes.

Symptoms.

Prognosis.

Results.

Treatment.

IV. PRODUCTS OF CONTUSED WOUNDS.

a. BLOODY TUMOUR.

b. SUPPURATION BETWEEN SCALP OR PERICRANIUM AND BONE.

c. SEPARATION OF DURA MATER.

Wounds in Scalp - great danger
in small wounds - of giving rise
to Erysipellatous inflam - dont
use stillic if can avoid, always
shave head, if ery - comes under
wash with Argenti Nitras - and
if Neuralgic cut off the nerves -
~~wash~~ head with Rhy Veratrum
and Lacerated Wounds -

Treat. Wash Shave - bring all
the shreds and unite with Stitches
and adhesive - Straps purge least
excess. bleed - put on Antimonials
and Keep down the heat -

Contused wounds

Gradually erymose, are among
most serious wounds of head
by gradual swelling hard tumour
on edges and soft in middle
some, though not intense pain -
Treat, avoid if possible opening
scalp Shave the head Keep down
fever - may be converted in abscess
If after Antiphlogistic treat dont
bring on constitutional Symp -
let it alone, if converted into
pus open immediately - Never
open only when forms a solid
tumour lay open and take out

Sometimes confounded with
fracture, very serious danger if
Inflam- dev- on head between
the Peri Cranium and scalp -

Comes on by tenderness swelling
nausea - fluctuation - pain
increase - let out pus inward -
if disturbance nervous - don't wait
warm fomentations applied -

Another very serious Comp -
a blow causing - moroseness
memory affected appetite
leaves him - and having
a sort of inconvenience from
low grade head pain the
inflammation is going on -
and pus is formed don't
wait - try first simple Meas
purge give mercurials but
back quick - If inf- goes on
and con- out signs from pit on
bleed him - diminish the amount
of blood in brain - feel scalp
shave it if feel tender or put dry
spot cut to bone - Take a
trephine and cut through
the bone - and let out pus - If
no indication where to trephine
if they can tell where there
was given. Open the head
one side or other and

We relieve the patient don't bore
more than one hole, and resort
to mercurials. (Punctured wounds)

Shave head close an a little phlegm
wound temporal artery -

Recognize by pulsation - may cease
to pulsate, let alone and pulsation may
come back Allund completely compress
improves - low down if don't - cut for
trunk when you can get at without
difficult.

Penetrating wounds - may
be complicated - with laceration incision
When extract foreign body generally
have only to look for inflammation -
Get away foreign body if can be done
When piece bone is cut out and remains
pus coming in from another part and
when brain is sliced - If simple
cut peck away ^{piece} approximate edges
look out for pus and let a small
hole put a little strip lint at
not - injury - 2 - if bone be broken
into frag - take away and crush
scab back and adhe - If bone
not comm - bring bone back and
sometimes attached by ligament - 3
the loss of brain and prog - arrest
brain by comp - and cold

Where the brain is exposed and
no scalp and no bone make
a double cut - and bring the
edges together (Hama Certhi)
The first humia will be blood
and tissue if wet or 10 days
have blood and subst brain
in 1st take away an if pain
try and put it back by lime
water and Compression week
shave off and supply lime
water

Mass - apply lime water and give
give Mercury to reduce plasma of the
blood - antiphlogistic - nearly always
die - prognosis cautious

Wounds occurring in young subjects
only Antiphlogistic treatment -

vi - never compress over the Zygoma - tie it
as near inferior margin of Zygoma -

111 - From hunting gun - case of bullet
entering forehead and lodge in brain - often
perfectly sensible free from pain hemorrhage
no fever - until 3 days when inflammation
set in and he died - never try to
get the bullet out - may become infected
unless very superficial - does close
the wound cover up with lint in warm
water - if any foreign body gets in
brain let alone - Cut on the skull

Sometimes cuts away piece of longitudinal
sinus is cut after arrest hemorrhage
by pledget lint tied over part or
by circular ligature (a multiple
paction) - Iborria (Cephalic)

where patient has lost piece of
brain and favorable symptoms - in fact
we find the brain putting out - very
terrible complication - here in
these cases quick pulse rational
is not aberration generally - if
push back with wire from
compression - keep every thing
like this away - fungus of
brain - get rid and hinder the
brain to prevent - cut off the

V. PUNCTURED WOUNDS.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment.

VI. WOUNDS OF TEMPORAL ARTERY.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment. - tie up artery - or compress

b. WOUNDS INVOLVING THE SCALP AND BONES.

1. INCISED, LACERATED, CONTUSED, OR PUNCTURED WOUNDS.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment.

II. PENETRATING WOUNDS.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment.

III. GUN-SHOT WOUNDS.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment.

c. WOUNDS INVOLVING THE BRAIN AND ITS MEMBRANES, ETC.

Varieties.
Causes.
Symptoms.
Prognosis.
Diagnosis.
Results.
Treatment.

ENCEPHALOCELE AN OCCASIONAL PRODUCT OF THESE WOUNDS.

Definition.

Symptoms.

Prognosis.

Diagnosis.

Results.

Treatment.

II. DISEASES OF THE SCALP, &c. &c.

I. ERYSIPELAS.

See "Erysipelas."

II. ANTHRAX.

See "Anthrax."

III. TRAUMATIC NEURALGIA.

See "Neuralgia."

IV. PERICRANITIS.

V. THICKENING OF PERICRANIUM.

VI. TUMOURS OF THE SCALP.

See "Tumours."

III. FRACTURES OF THE BONES OF THE HEAD.

Causes.

Varieties.

Parts of the cranium most liable to fracture.

Age most liable.

Symptoms.—Depend on location of fracture, &c.

Prognosis.

Diagnosis.

Mode of union.

Treatment.

IV. CONCUSSION.

Definition.

Extent or degree.

Causes.

Symptoms.—Three groups—1. Stunning. 2. Loss of consciousness, &c.

3. Convulsions, &c.

Prognosis.

Diagnosis.

Anatomical examination.

Results.

Treatment.

Fractures of Bones of head -

portions more liable than others to fracture owing to difference of tissue
careful in diagnosis - the force may be transmitted to temples from occiput - forehead
fracture orbital plates - top of head the base of
skull - often from force indirectly applied by
convulsions stroke - Simple fissure by sharp inst
continuous cracks on other side is Counter fissure
old Huda. Multiple fracture not comminuted here
only so in long bones - Comminuted fractures where
the edges come together by being driven in
or double depressed fracture - Simple depressed
fracture where one edge driven in -

stellated - where centre is depressed and
number of fractures passing off in radii
quadrally in internal table - In young
head subpt never happens - depression
in young subpt will bend and remain
depressed and will disappear in a day
or so - not so in adult - always have picture
fractured is always stellated - gutter being to
discuss or malformation aid in diagnosis

Symptoms depend on character and
location - Some have peculiar symp
very in blow on occiput fracturing the
bottom portion of temp - always have
compression or concussion discharge
from ear of blood and serum - from the
brain or lateral sinus or brain - may
rupture of men brain lymphatics may
be injured here the amount of blood is
too small

may compound - in most ^{cases} where
the fracture is complicated ^{with} ~~with~~ ^{around} ~~fracture~~
emphysema - Distention of eye - fracture
orbital plate ^{fracture} - The most difficult
is simple fracture - 1st thing for day
space may pass hand over hand
Sometimes rough - again no signs
but effusion of blood - if can't
find out must treat like fracture
In depressed no difficulty in
diagnosis - Compound often ~~soon~~ ^{soon} ~~hours~~
into injured -

Treatment - Don't trephine for simple
fracture unless extravasation. But
if ^{there is} concussion - antiphlogistics and
aid by mercury to diminish plasma of the
If very much depressed and no injury
of integ - if symptoms of compression
trephine - if not dent of open part
trephine to elevate as can't make
him worse - Fracture of base rely
on same agents as in head
patient generally dies - bleed &
cold of Orbital plate dent open integ
if can help - suck out thrombus & make
cold appl - if can see and eye is
safe dent open skin - frontal ^{where}
sinus - Emphysema - open puncture
3 in from seat of injury squeeze
the air out - If depression of the
outer table don't elevate unless comp
fracture get out pieces

Concussion - Where the brain in consequence of a blow or shock of some kind is deprived of its power of sending forth and appreciating nervous communication. Extent of the Concussion will depend on the violence of the injury and upon the place of its reception - there being three conditions which give separate sets of symptoms - 1st Where we have simple oscillation of the Brain 2nd Where the brain has been violently shaken and in consequence we have separation of the Dura Mater from the bone - 3rd Where the injury has been so severe as to produce laceration of some of the fibres of the brain - Causes. Violent blows upon the head - fractures of the depressed bone resulting from such injuries, the transmission of shocks through the bones - Symptoms - in first form the person is merely stunned and he will be incoherent in his answers, will suffer from vertigo, but when spoken to is capable of replying, he possesses volition but ardently is not precisely in his right mind - 2nd form - these symptoms are aggravated complete unconsciousness is a result - and as marked symptoms absent in both of the other forms exists in the presence of Nausea and vomiting - In 3rd form - we have convulsions paralysis of the bladder and rectum or general paralysis of one or of both sides. Prognosis In simple stunning favorable though should be guarded for patients have in consequence of such injuries lost their lives through causes of the bone the formation of pus

Comp-ress

If blood use everything to absorb
 blood Stimulate injec. - Smopisyn
 use Calomel, long continued. If
 cant raise him, If no shaking
 and not fracture look for seat
 of injury. If paralysis on one side
 of body have a guide, sometimes
 have no guide, always justifiable to
 trephine, dot will be in membrane
 and bone or in subst. dot is
 a purpleish tumor if find only
 membrane if near surface can
 feel it even w/ knife, after
 treat in Antiph. - and Cant
 Mitat. If pus - If find seat in
 membrane more on opening find in
 but inside it is the inside of brain
 fit for fluctuation
 operation Trephine -

Concussion Diagnosis is sometimes difficult but generally by critical attention and the exercise of judgment it may be accurately made out. In simple stunning it is simple enough though we can not exactly tell the lesions that may be going on underneath the bones. Treatment In stunning, cold water swallowed in small quantity the placing of the patient in an horizontal position and in the bad cases the moderate use of stimulants will be sufficient to produce reaction - never bleed before this comes on - may kill the patient by doing so. Stimulants must be used with extreme caution since by their employment we risk adding to the subsequent reaction. Tapping may sometimes become necessary though if the lesion is so violent as to warrant the measure the patient has small chance of recovery. The proper means of doing this will be described under the head of treatment for compression.

Compression - Some agent exerts by indirect pressure
on the brain gives rise to the alteration of its functions
as the formation of a clot the effusion of serum in the ventricles
the brain may become accustomed to this pressure
and the symptoms disappear. The things will be
gradual if the cause is slow. When sudden
have functional disturbance and
organic lesion. in the case more
favor prognosis. Symptoms before
Stupor, slow labring pulse diff. for
Ans. - Stertorous breathing - dilatation
and contraction of pupil - Palat
of sphincters of blad. and rectum
paralysis of one side of body -
the history case the causes - we
will give us diagnosis -
If told patient walked about
and no depression have blood
if 1/2 hour depressed picture -
If old case 10 or 12 days and
mental aberration have
~~depression~~ - If have no fever
have blood or serum. If have
achill almost perfect posture has
pus developed - Prognosis
If sudden depression - favorable
Always take away bone - where
coagulum in brain small sometimes
never. If on side located, can't take
if the tile open brain - When
the force open - gradual with cause

V. COMPRESSION OF THE BRAIN.

Definition.

Illustration of the influence of pressure upon the brain.

Causes.—Depressed bone, effused blood, collection of pus, &c.

Symptoms.—Depend on the nature of the cause.

Prognosis.—Depends on—1. Extent of surface involved. 2. Location of the compressing body. 3. Location with reference to *depth*. 4. Nature of compressing body. 5. Suddenness with which compression is applied.

Diagnosis.

Manner of ascertaining the seat of the injury.

Manner of ascertaining the nature of the compressing body.

Dissection.

Results.

Treatment.—Varies with cause.—

a. When the bone is depressed.

b. When effused blood is the cause.

c. When pus constitutes the compressing agent.

TREPHINING.

History of the operation.

Diseases of the head for which it is employed.

Dangers of the operation.

Parts to be avoided in applying the instrument.

The operation itself described.

Dressing.

After treatment.

Manner in which the opening is closed.

PARACENTESIS.

INFLAMMATION OF BRAIN.—(See Effusion.)

II. INJURIES AND DISEASES OF THE SPINE.

Classification.

a. Injuries and diseases of the spinal column.

b. Injuries and diseases of the spinal marrow and its nerves. 1. Concentric diseases of the true spinal marrow. 2. Eccentric diseases or those attacking the incident or excitator nerves. 3. Diseases of the reflex, or motor nerves. 4. Spinal irritation.

a. INJURIES AND DISEASES OF THE SPINAL COLUMN ITSELF.

I. FRACTURES.

Liability.

Causes.—External violence directly or indirectly applied.

Usual seat of fracture.—Spines, bony bridges, and body.

Division.—1. Those occurring above the fourth cervical. 2. Those occurring below this point.

Symptoms.—Depend upon the location of the fracture and its extent.

Prognosis.—Depends on location and extent of fracture.

Diagnosis.—May be confounded with *luxation*, *concussion of spine*, *compression from effused blood*, *inflammation of marrow or its membranes*.

Dissection.

Treatment.

II. LUXATION.

Liability.

Causes.—External violence.

Vertebra most liable.—The cervical, especially the second.

Division.—1. Partial. 2. Complete.

Symptoms.—Depend on seat of injury and its extent.

Prognosis.—Depends on the seat and extent of injury.

Diagnosis.

Dissection.

Treatment.

III. SPONTANEOUS LUXATION OF THE FIRST CERVICAL.

Definition.

Causes.

Symptoms.—In 1st, 2d, and 3d stages.

Progress.

Prognosis.

Diagnosis.

Dissection.

Treatment.

IV. CURVATURE.

Definition.

Varieties.—1. Lateral, or scoliosis. 2. Posterior, or gibbus or cyphosis. 3. Anterior, or lardosis.

Causes.—Predisposing and immediate.

Prophylaxis.

Symptoms.—Depend on the variety of the defect.

Prognosis.—Depends on the age of the individual, the duration, cause, degree, and complication of the case.

Diagnosis.—May be confounded with *caries*, *partial paralysis*, *natural inequality in size of the two halves of the body*, &c.

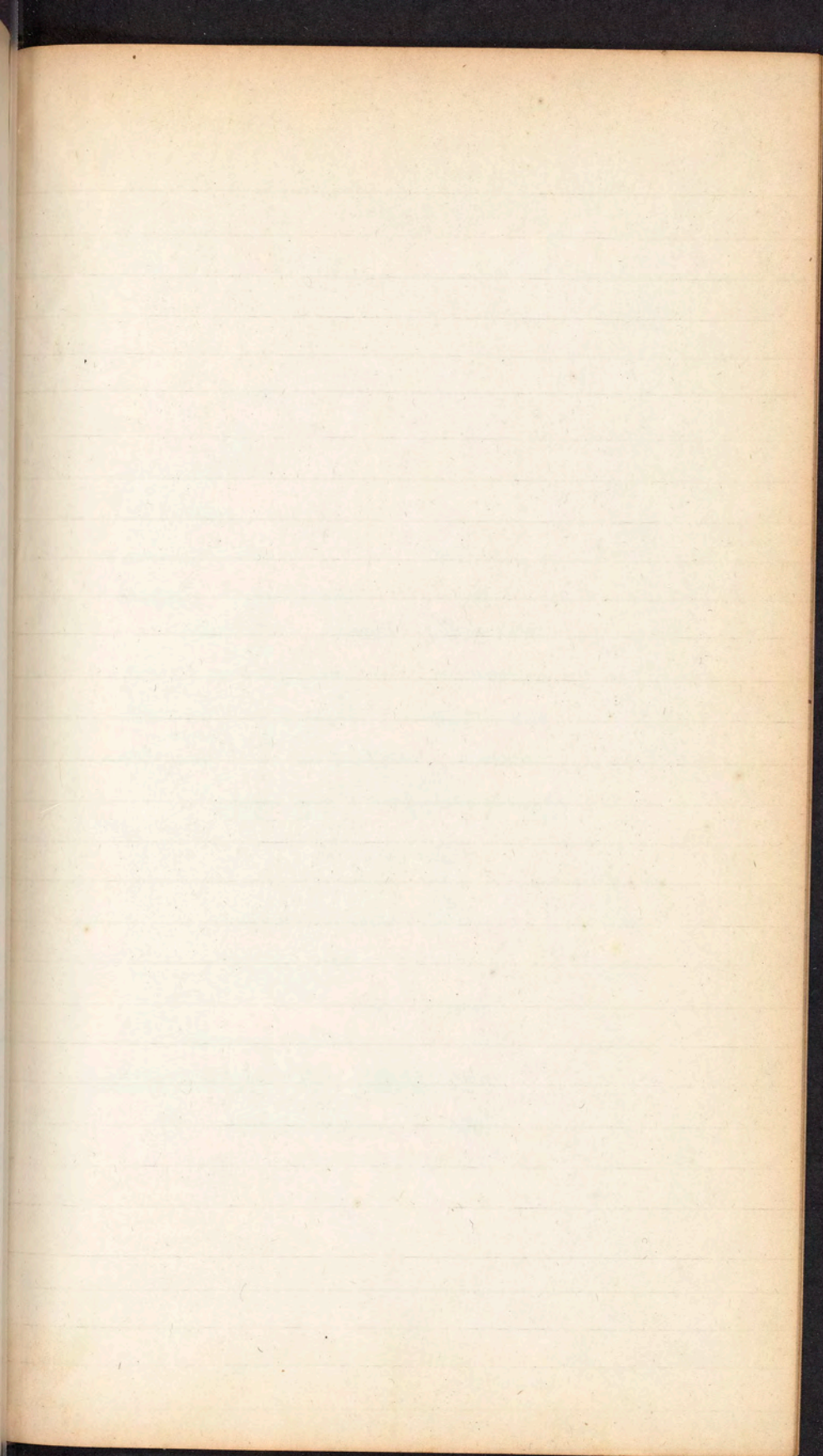
Pathology.

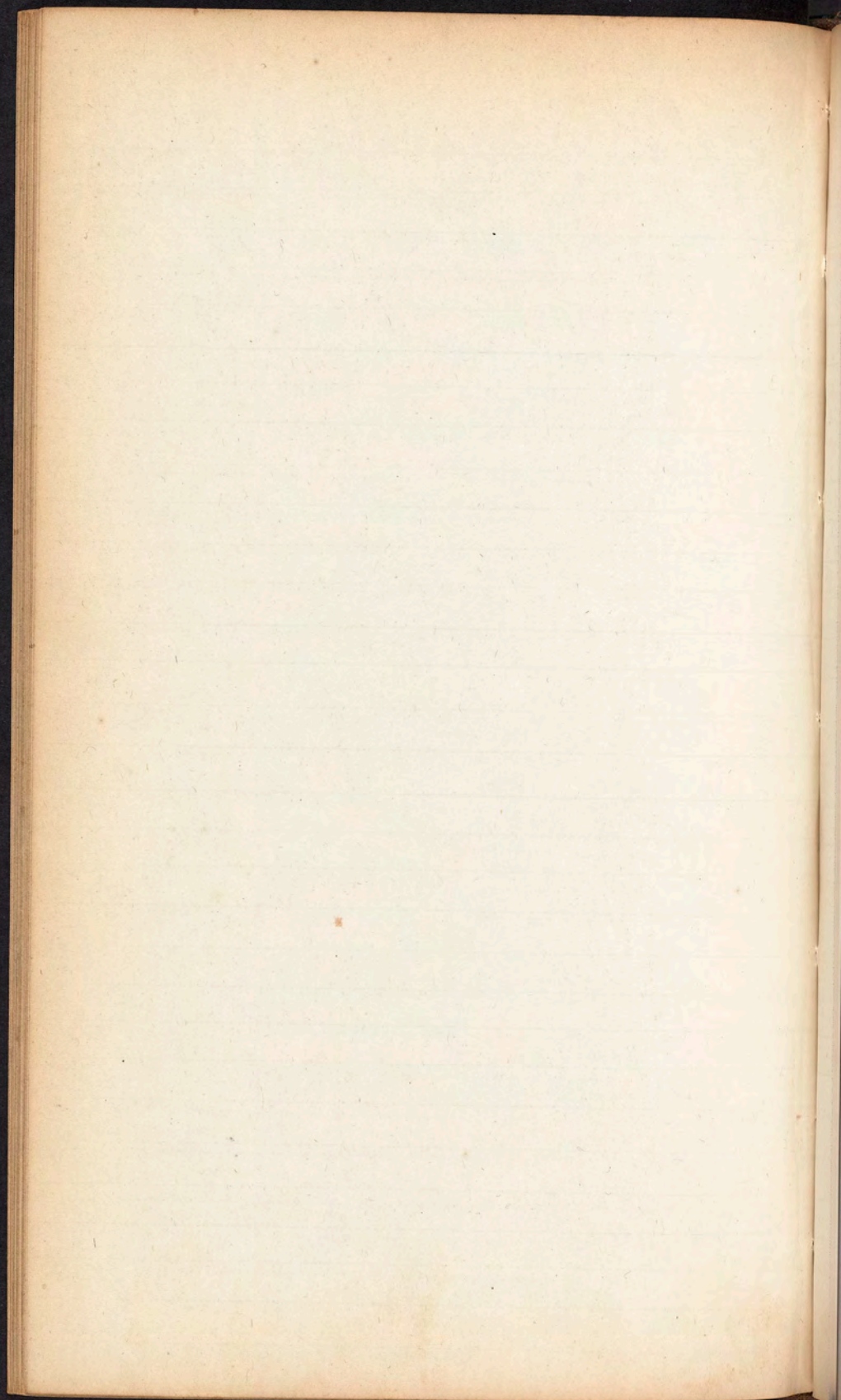
Effects on the spinal column, its contents, and the health of the individual.

Question of marriage.

Treatment.

Fractures of the spine - Stability great from
its exposed situation - Causes - External violence
may produce it by the amount of force being
very great - again one falling from a high
place on the feet may have a fracture
in consequence of transmitted force





V. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

VI. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

VII. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

VIII. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

IX. *THE HISTORY OF THE*

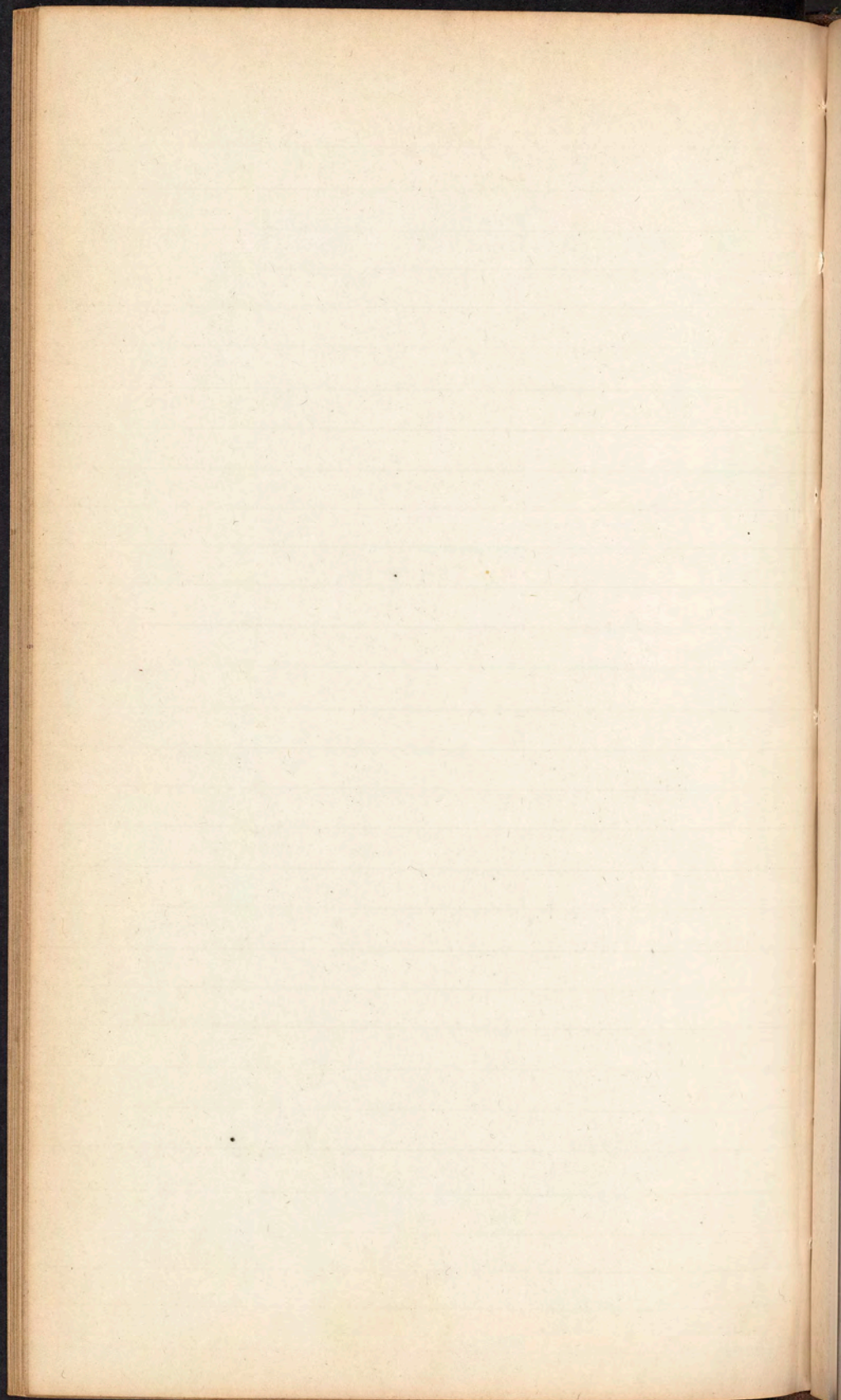
Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

X. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*

XI. *THE HISTORY OF THE*

Chapter I. *The History of the*
Chapter II. *The History of the*
Chapter III. *The History of the*
Chapter IV. *The History of the*
Chapter V. *The History of the*



V. SHORTENED SPINE.

Definition.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

VI. CARIES OF SPINE.

Liability.—Children most liable ; may occur in adults.

Causes.—1. Constitutional. 2. Local.

Symptoms.—Vary in the 1st, 2d, and 3d stages ; and also depend on the age of the individual.

Prognosis.

Diagnosis.

Effects upon the viscera of the thorax and abdomen, and general health of the patient.

Dissection.

Treatment.

VII. ABSCESS.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Dissection.

Treatment.

VIII. EXOSTOSIS.

Effects of these tumours on the functions of the spine, and those of the adjacent viscera.

IX. ANCHYLOSIS.

Effects of this condition of the joints upon the functions of the column.

X. SPINA BIFIDA.

Definition.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

b. INJURIES AND DISEASES OF THE SPINAL MARROW,
ITS MEMBRANES AND NERVES.

I. CONCENTRIC DISEASES.

I. WOUNDS.

Varieties.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

II. CONCUSSION.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Treatment.

III. COMPRESSION.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Treatment.

IV. CONGESTION.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Treatment.

V. INFLAMMATION, OR MYELITIS.

Causes.
Symptoms.
Prognosis.
Diagnosis.
Dissection.
Results, or products.—Convulsions, epilepsy, paralysis agitans, either general or partial, tremor mercurialis.
Treatment.

VI. INFLAMMATION OF THE MEMBRANES, OR SPINAL MENINGITIS.

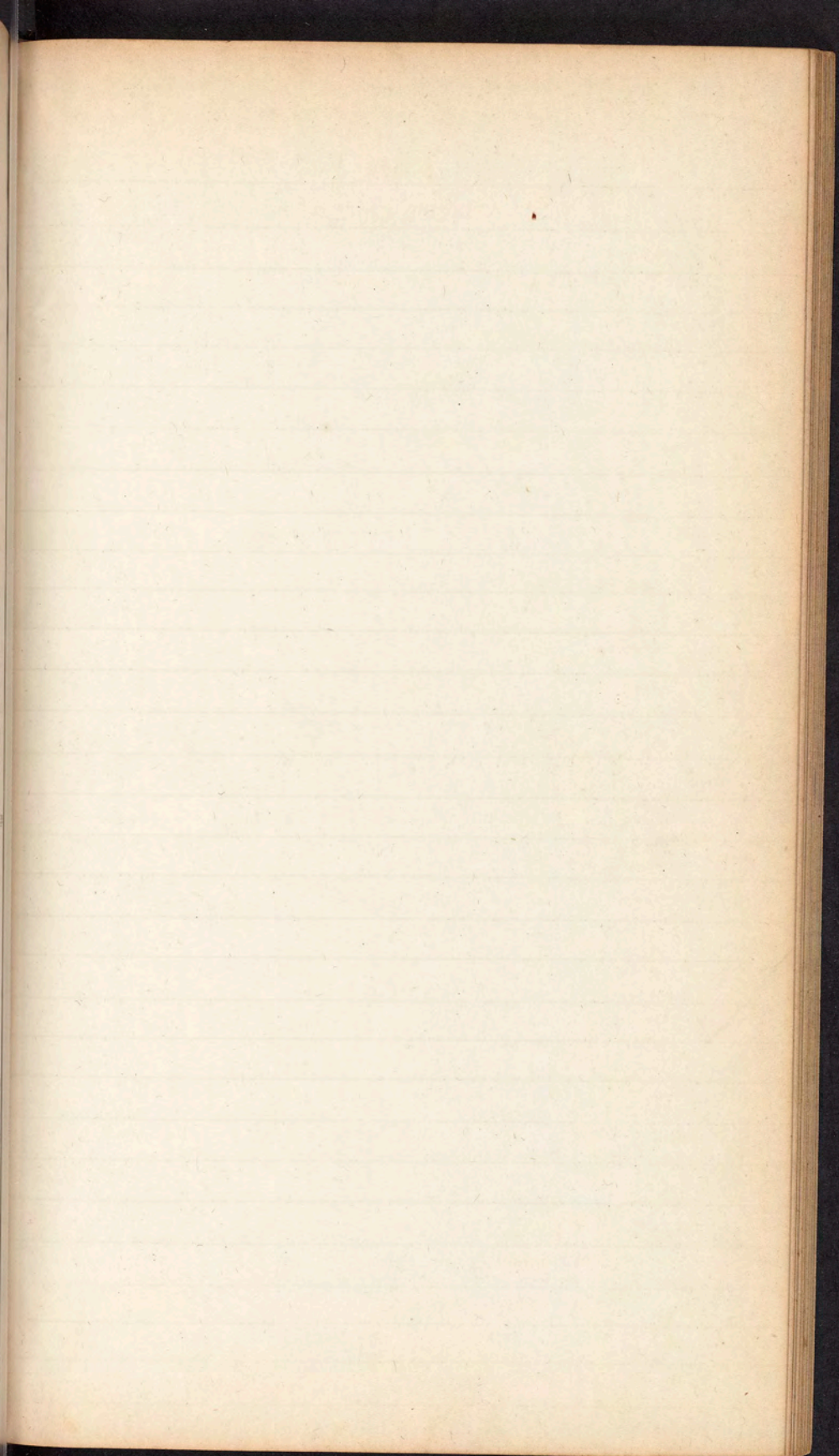
Causes.
Symptoms.
Prognosis.
Diagnosis.
Dissection.
Treatment.

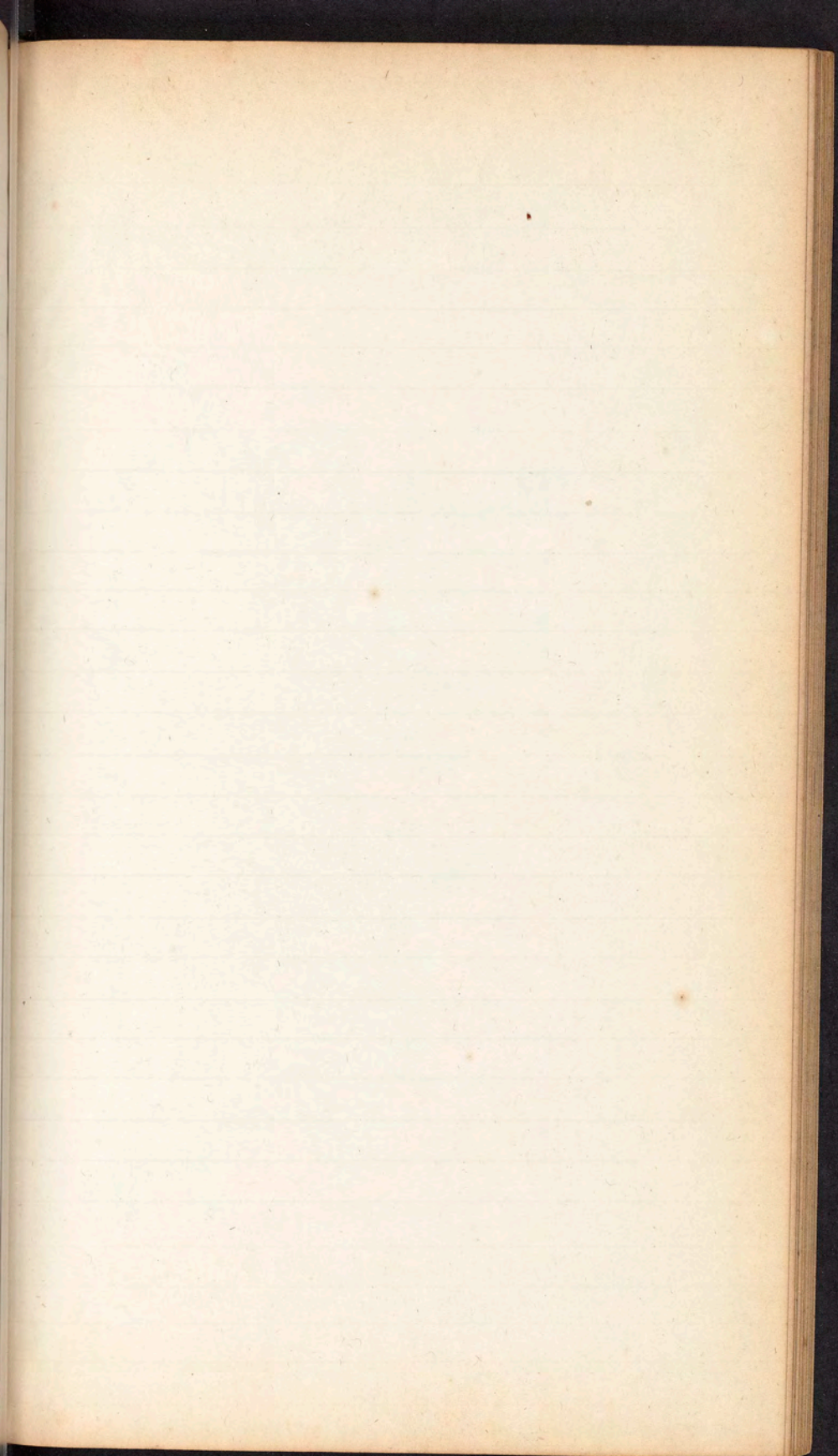
II. ECCENTRIC DISEASES, OR THOSE OF THE EXCITOR NERVES.

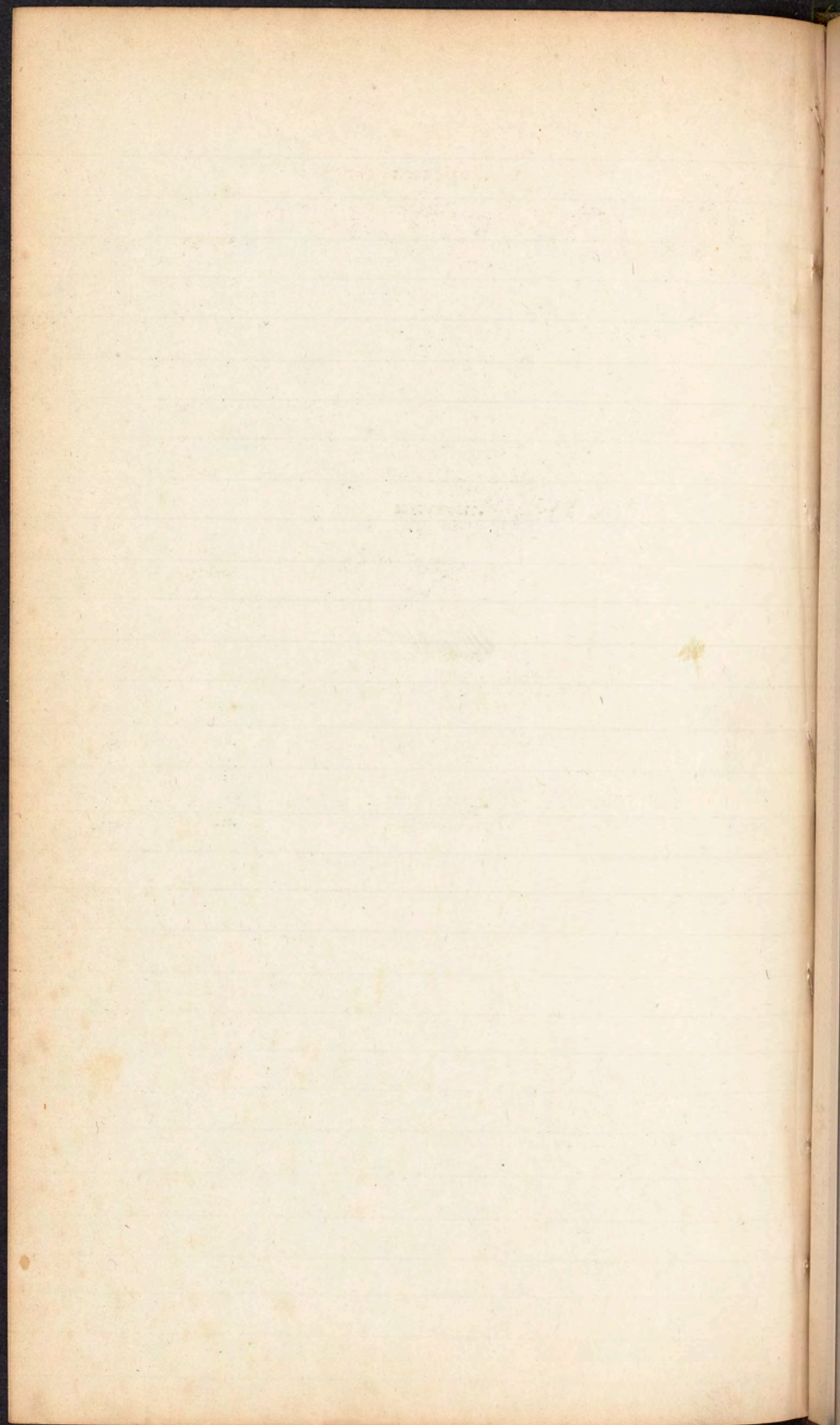
These are certain forms of epilepsy, puerperal convulsions, tetanus, hydrophobia, hysteria, chorea, stammering, asthma, vomiting, tenesmus, strangury, and abortion. Most of these affections are treated of under other heads.

III. DISEASES OF THE REFLEX OR MOTOR NERVES.

Spasmodic strabismus, spasmodic tic, spasmodic torticollis, spasm of the respiratory nerves—already referred to.







IV. SPINAL IRRITATION.

Definition.
Causes.
Symptoms.
Prognosis.
Diagnosis.
Dissection.
Treatment.

III. INJURIES AND DISEASES OF THE EYE.

I. INJURIES, &c. OF THE EYELIDS.

WOUNDS.

Varieties.
Symptoms.
Prognosis.
Results.
Treatment.

INFLAMMATION OF THE LIDS

Texture usually involved.
Causes.
Varieties.
Symptoms.
Prognosis.
Results.
Treatment.

CEDEMA.

Causes.
Symptoms.
Prognosis.
Treatment.

OPHTHALMIA TARSII.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PSOROPHTHALMIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HORDEOLUM.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

TYLOSIS.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

MADAROSIS.

Definition.
Causes.
Symptoms.
Diagnosis.
Treatment.

TRICHIASIS.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

DISTICHIASIS.

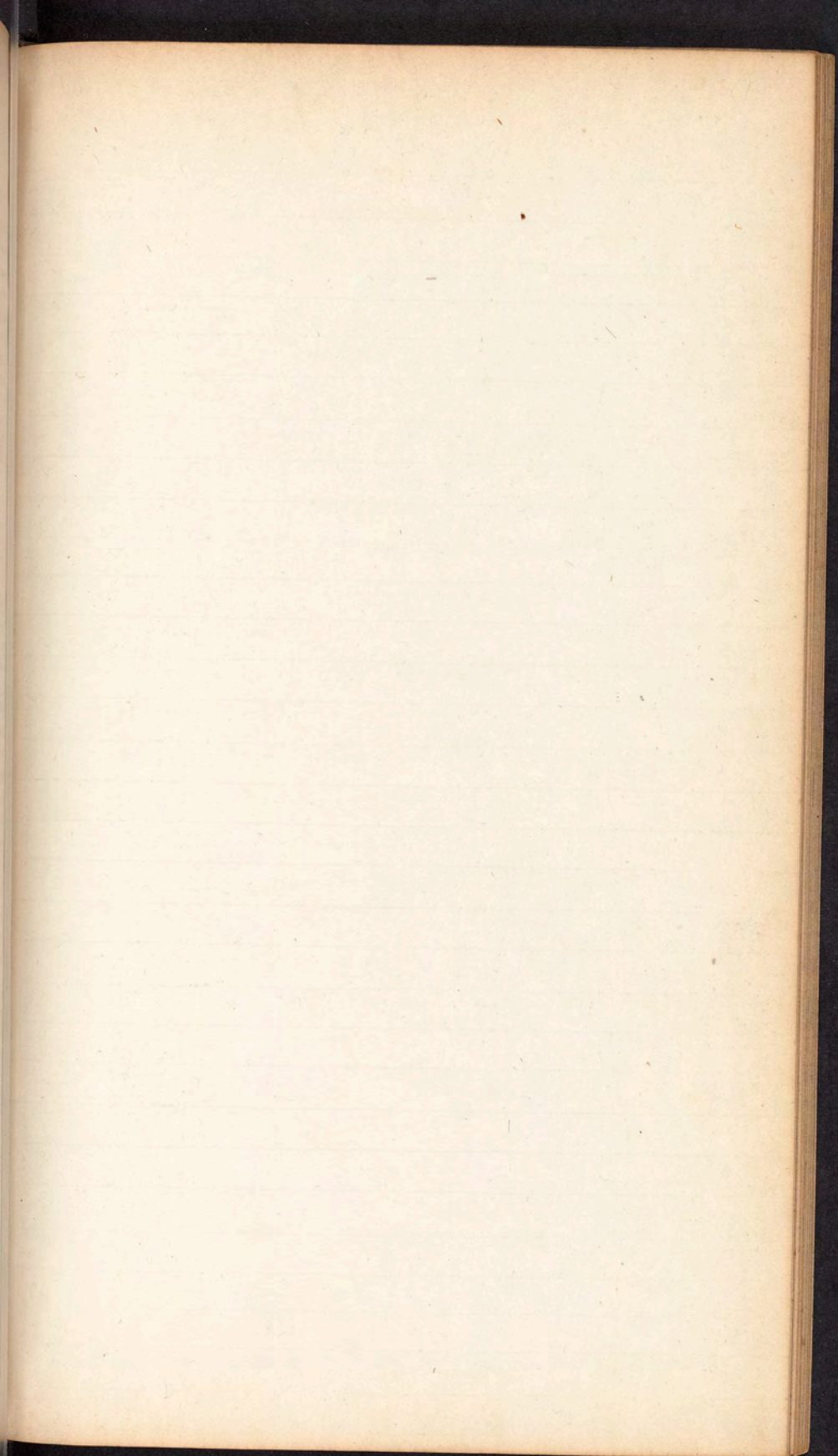
Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

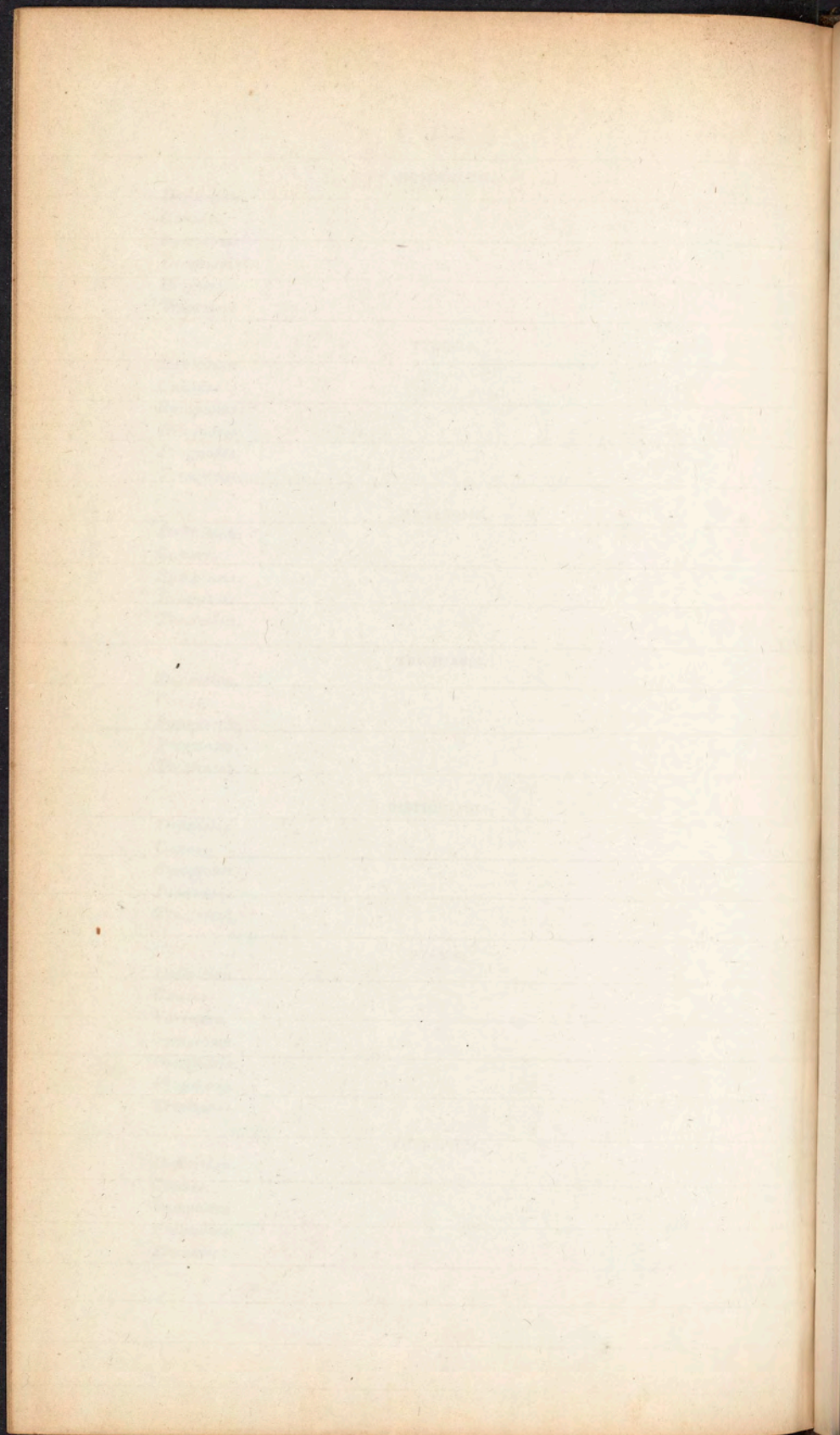
PTOSIS.

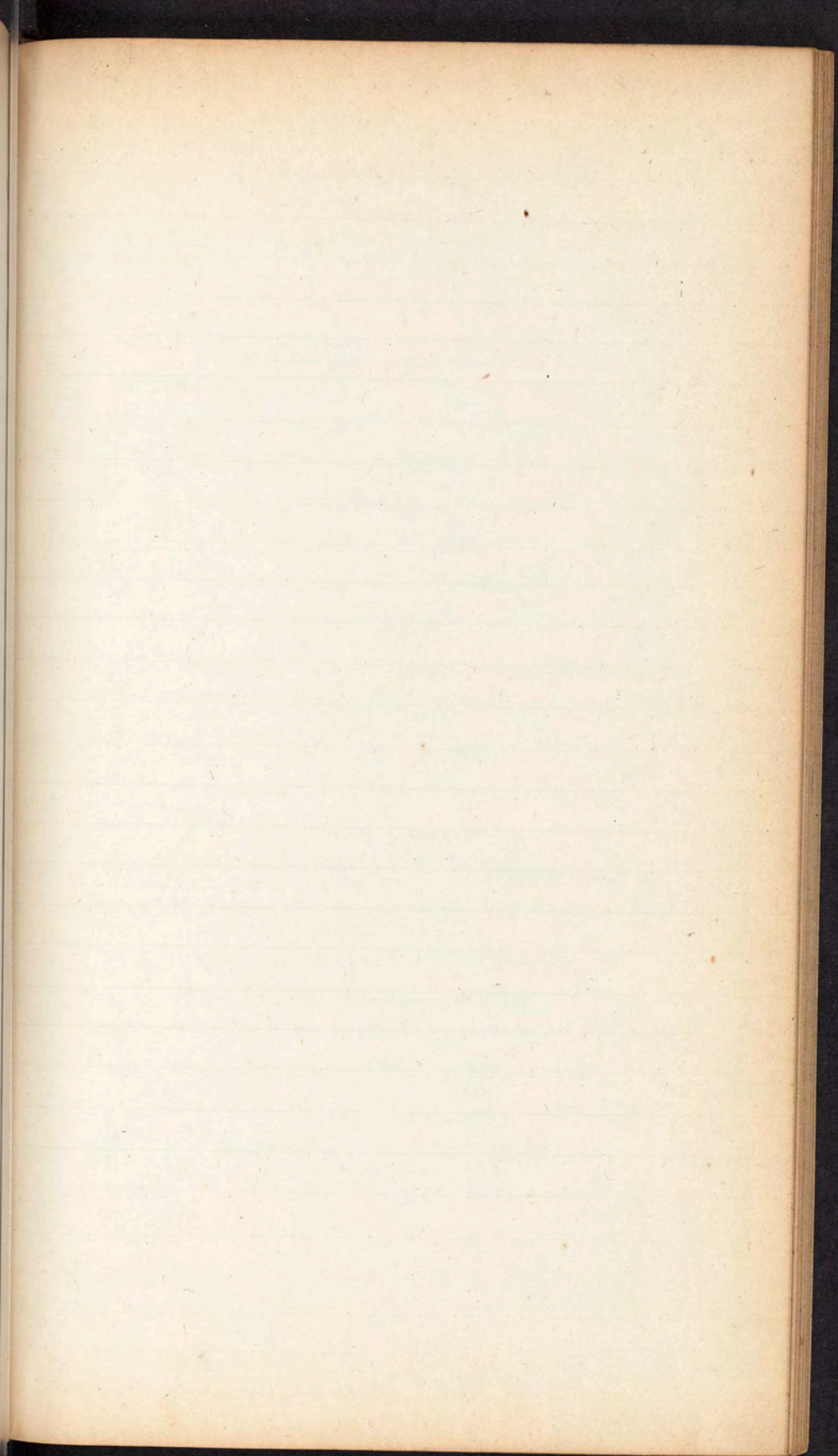
Definition.
Causes.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

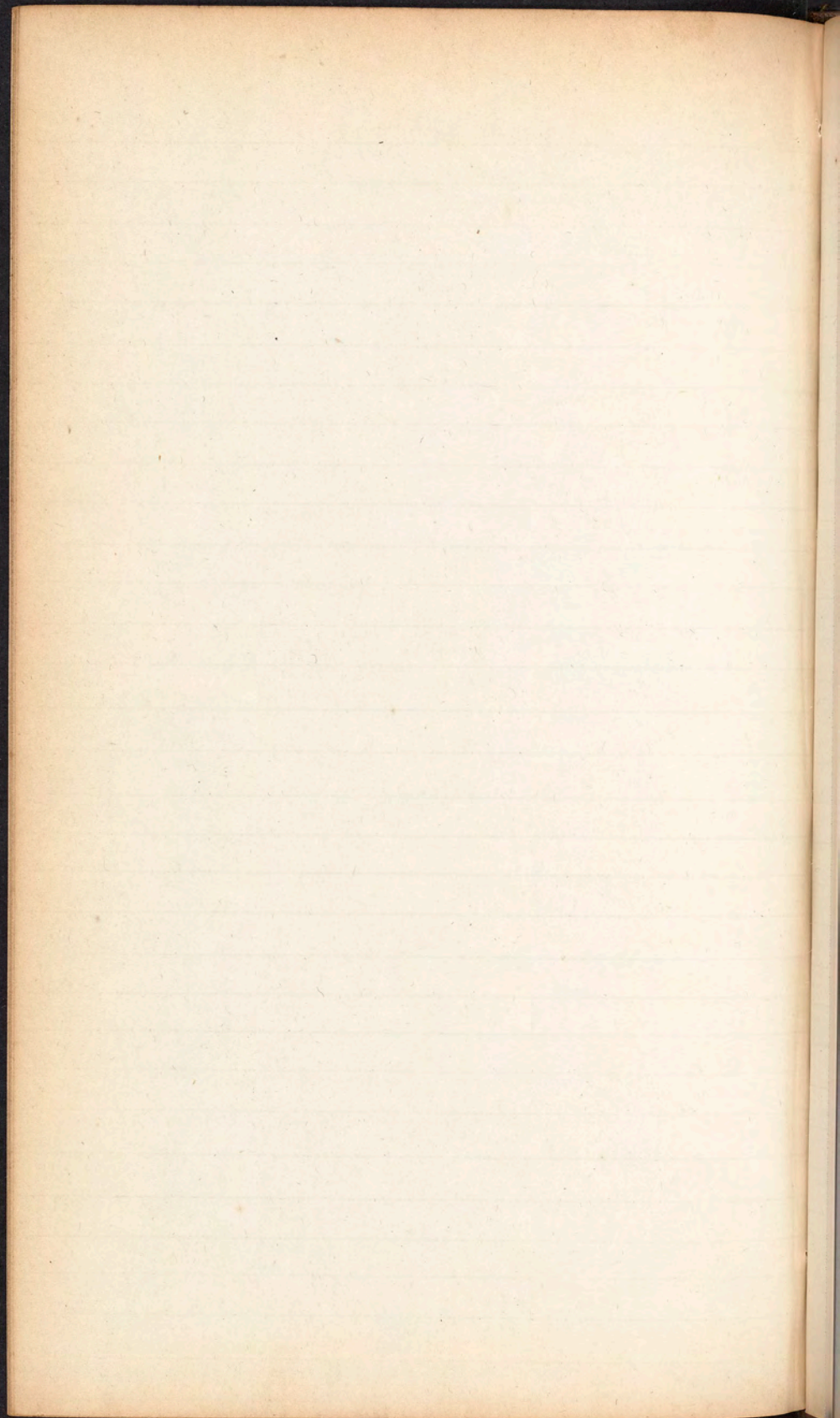
ECTROPIUM.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.









CHAPTER I

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

THE

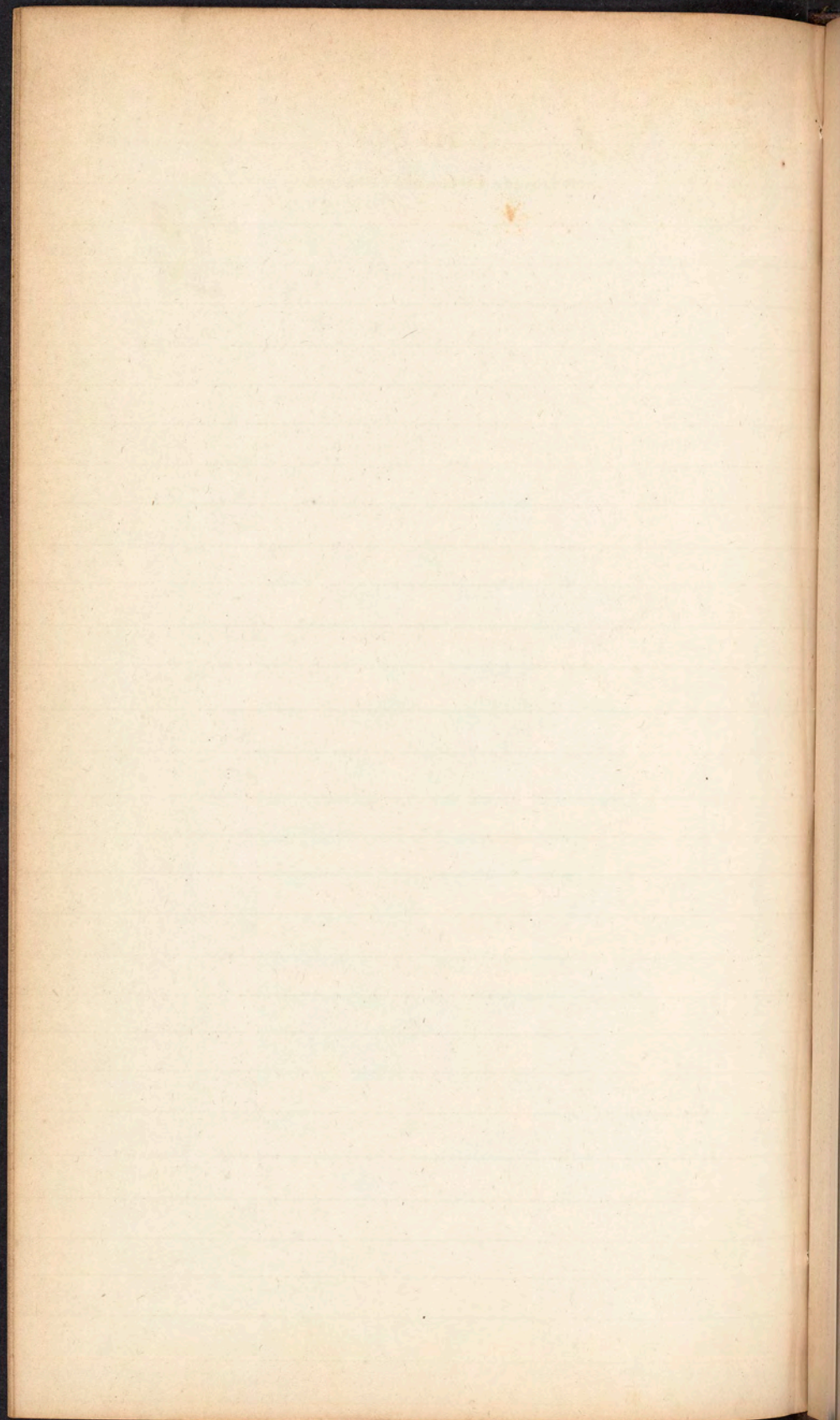
THE

THE

THE

THE

THE



ENTROPIUM.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

ANCYLOBLEPHARON AND SYMBLEPHARON.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

EPICANTHUS.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

TUMOURS.

Varieties.—Nævi materni, encysted, half-encysted, tarsal tumours, chalazion, or grando, milium, and verucæ.

Causes of each.
Symptoms of each.
Diagnosis.
Prognosis.
Treatment.

MALIGNANT DISEASES.

The lids, like all other portions of the body, are sometimes involved in malignant diseases, by which they are partially or entirely destroyed. These cases are generally troublesome, and often require an extensive operation for their relief. (See Blepharoplastic operations.)

II. INJURIES AND DISEASES OF THE CONJUNCTIVA.

FOREIGN BODIES LODGED IN THE EYE.

Various kinds.
Symptoms.
Mode of examining the lids.
Diagnosis.
Prognosis.
Treatment.

WOUNDS OF THE CONJUNCTIVA.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SIMPLE INFLAMMATION OF CONJUNCTIVA.

Causes.—1. Constitutional. 2. Local.

Symptoms.

Prognosis.

Diagnosis.

Effects of products.

Treatment.—1. General. 2. Local.

CATARRHAL OPHTHALMIA.

Definition.

Synonymes.—Conjunctivitis catarrhalis, conjunctivitis purumucosa catarrhalis, ophthalmia purulenta metior, cold blight, &c.

Causes.—Cold in some shape, often accompanying influenza, and is occasionally epidemic.

Symptoms.

Diagnosis.

Prognosis.

Seat of the affection.—Seldom involves any other tissue than the conjunctiva.

Terminations.

Treatment.

PURULENT OPHTHALMIA.

Definition.

Varieties.—That of newly-born children, and that attacking adults. Acute and chronic.

Symptoms.

Diagnosis.

Prognosis.

Terminations or products.—1. Sloughing of cornea. 2. Ulceration. 3. Opacity of cornea. 4. Bursting of cornea. 5. Adhesion of iris. 6. Detachment of conjunctiva. 7. Staphyloma. 8. Ectropium, or Entropium.

Treatment.

GONORRHOEAL OPHTHALMIA.

Definition.

Varieties.—Acute, chronic, and that involving both the conjunctiva and sclerotic coat.

Causes.—Is it contagious?

Symptoms.—In each variety.

Diagnosis.

Prognosis.

Effects.

Treatment.

ERYSIPELATOUS OPHTHALMIA.

Definition.

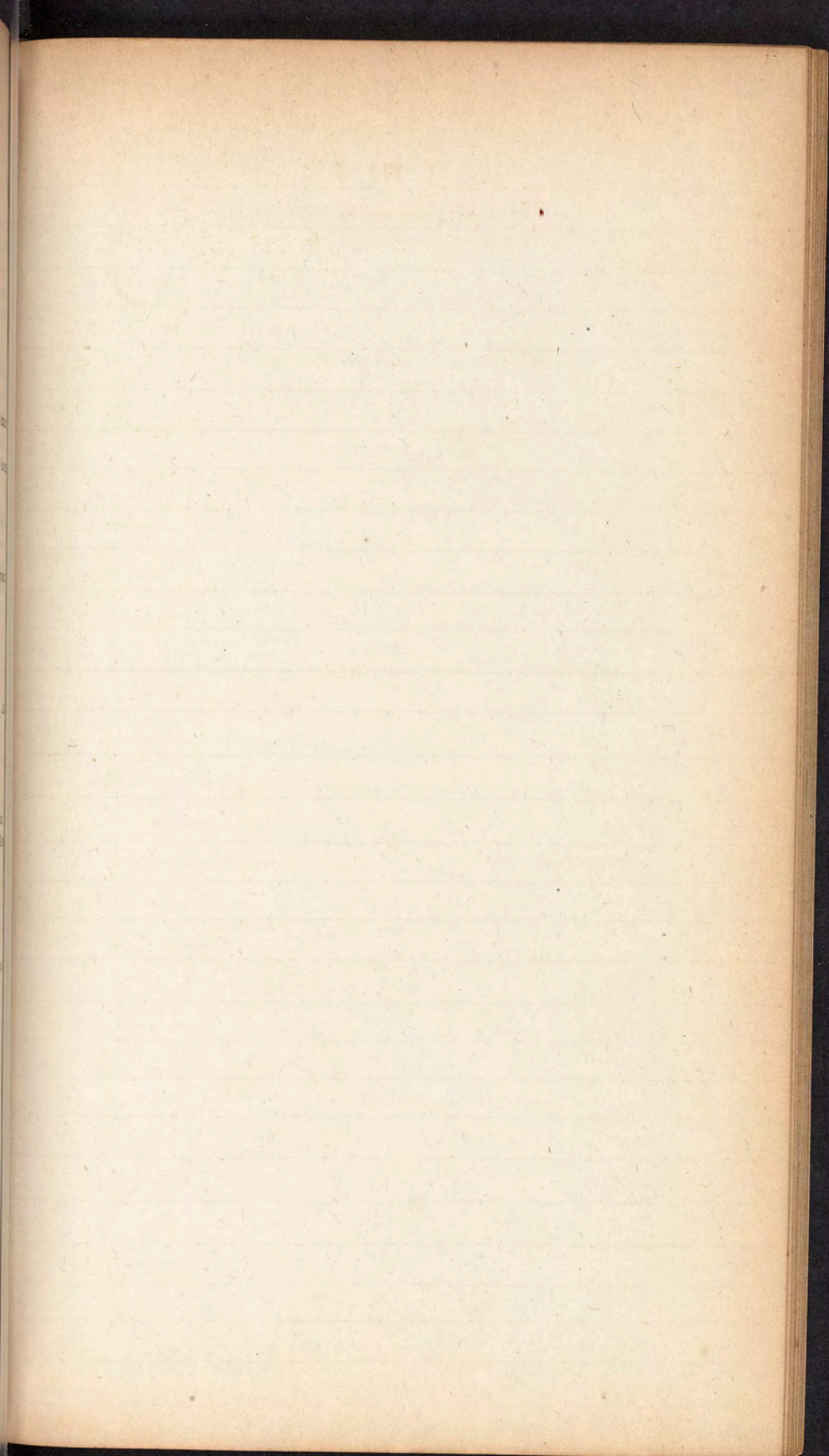
Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.



...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

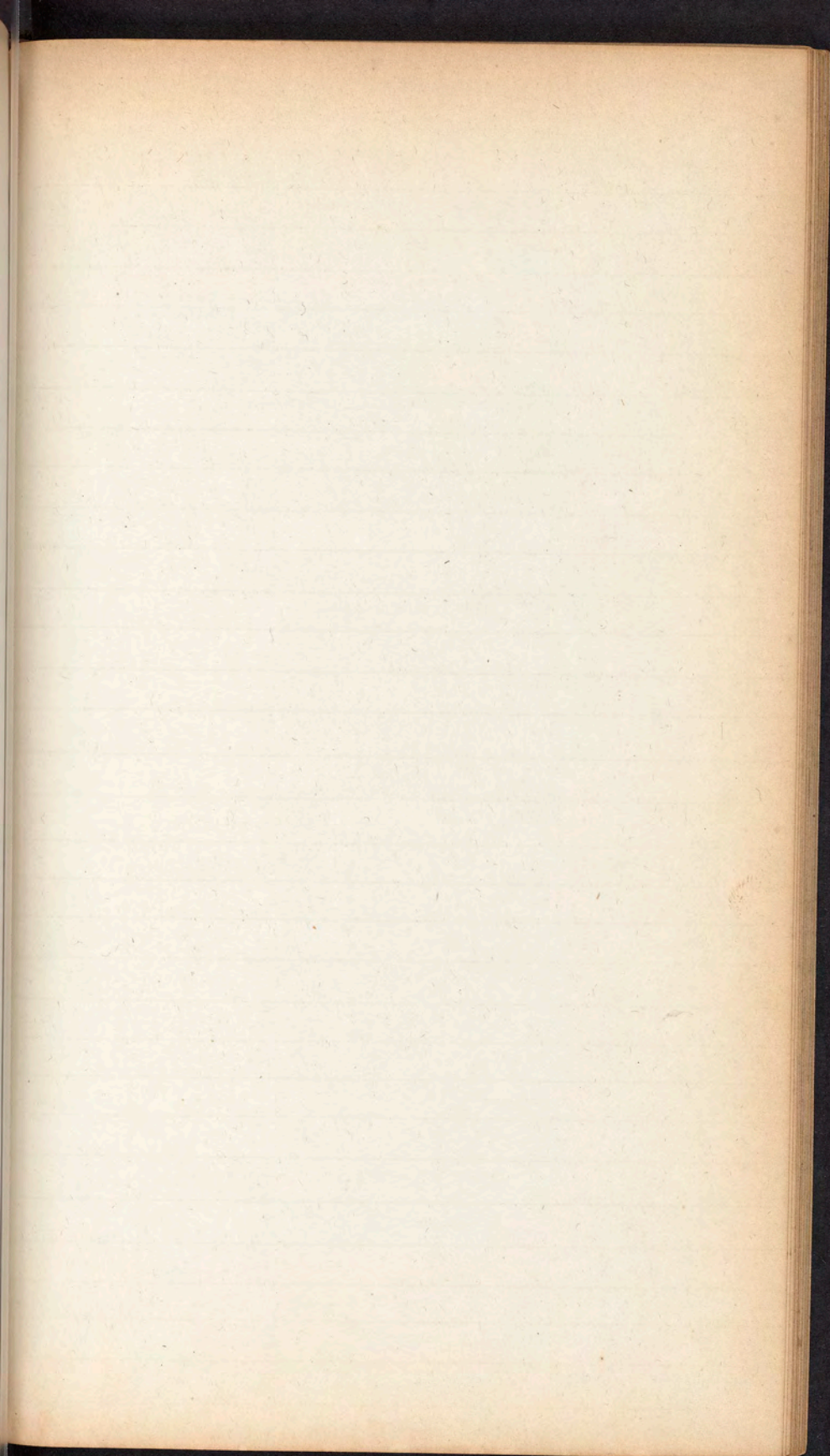
...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

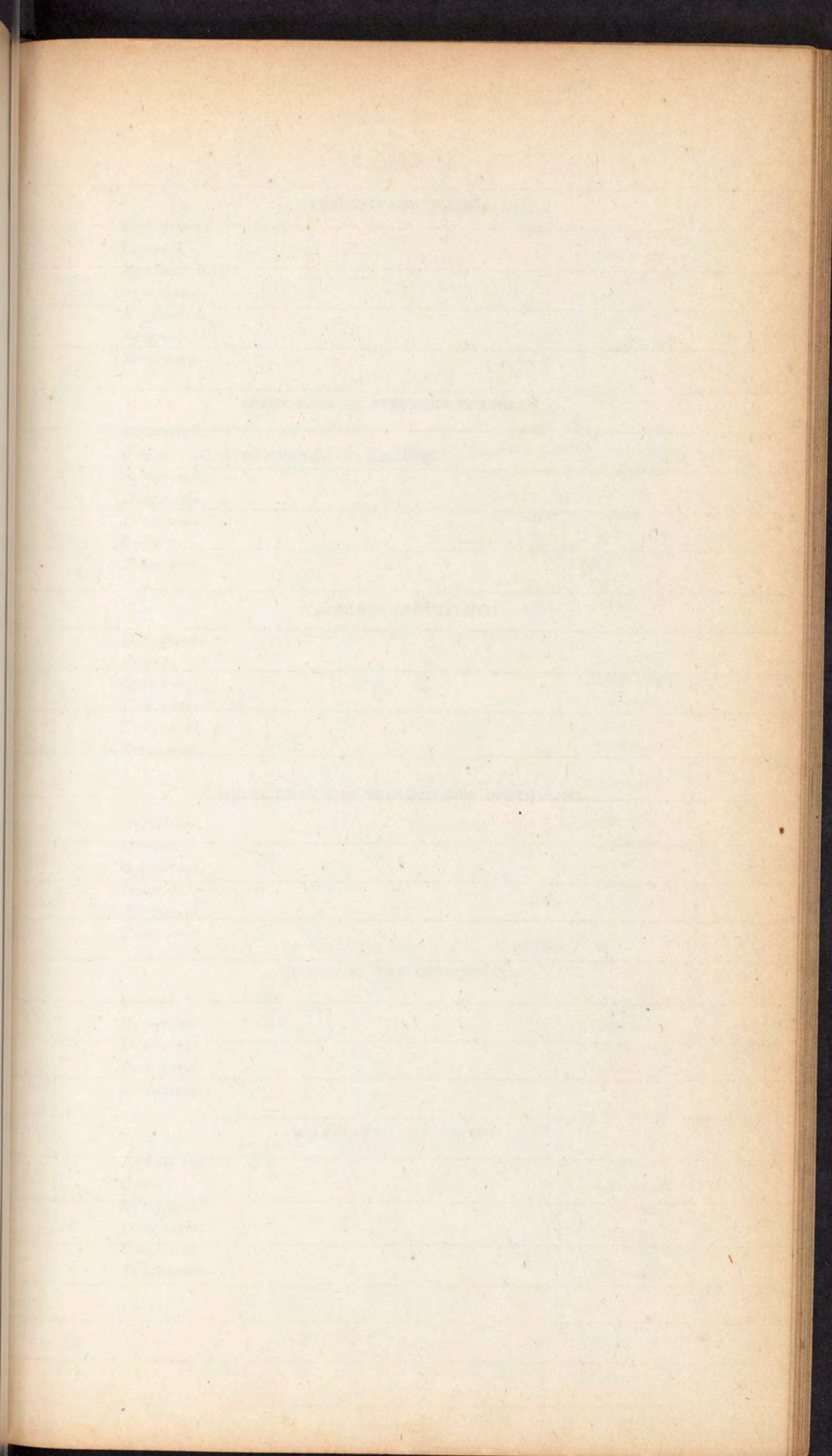
...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...

...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...
 ...the ... of ...





PUSTULAR OPHTHALMIA.

Definition.
Causes.
Age most liable.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SCROFULOUS OR STRUMOUS OPHTHALMIA.

Definition.
Causes.—1. Predisposing. 2. Exciting.
Symptoms.
Diagnosis.
Prognosis.
Results.
Treatment.

VARIOLOUS OPHTHALMIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

MORBILLIOUS AND SCARLATINOUS OPHTHALMIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ULCERS OF THE CONJUNCTIVA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

GRANULATED CONJUNCTIVA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HYPERTROPHY OF CONJUNCTIVA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Effect on lids.
Treatment.

PTERYGIUM.

Definition.
Varieties.—1. Tenue. 2. Crassum. 3. Malignant. 4. Single. 5 Pannus.
Location.—Usually the inner canthus.
Age most liable.—Adult.
Causes.—Often obscure.
Symptoms and growth.
Diagnosis.
Prognosis.
Pathology.
Treatment.

XEROMA, OR DRY CONJUNCTIVA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

POLYPI, WARTS, AND OTHER EXCRESCENCES OF THE CONJUNCTIVA.

Characteristics of these tumours.
Causes.
Diagnosis.
Prognosis.
Treatment.

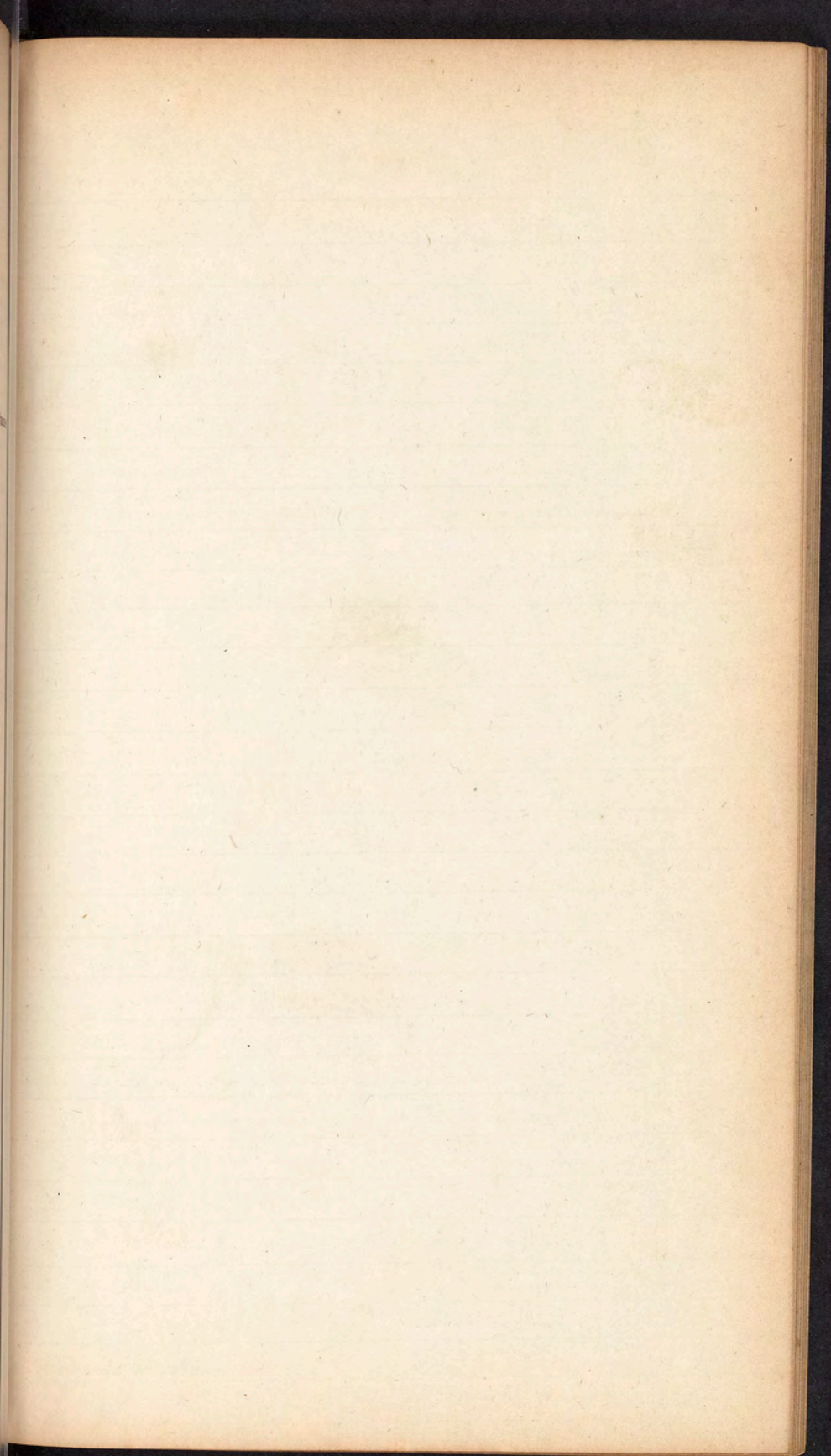
III. INJURIES AND DISEASES OF THE CORNEA.

WOUNDS.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Effects.
Treatment.

FOREIGN BODIES IN THE CORNEA.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Effects.
Treatment.



THE
OF
AND
THE

THE
OF
AND
THE

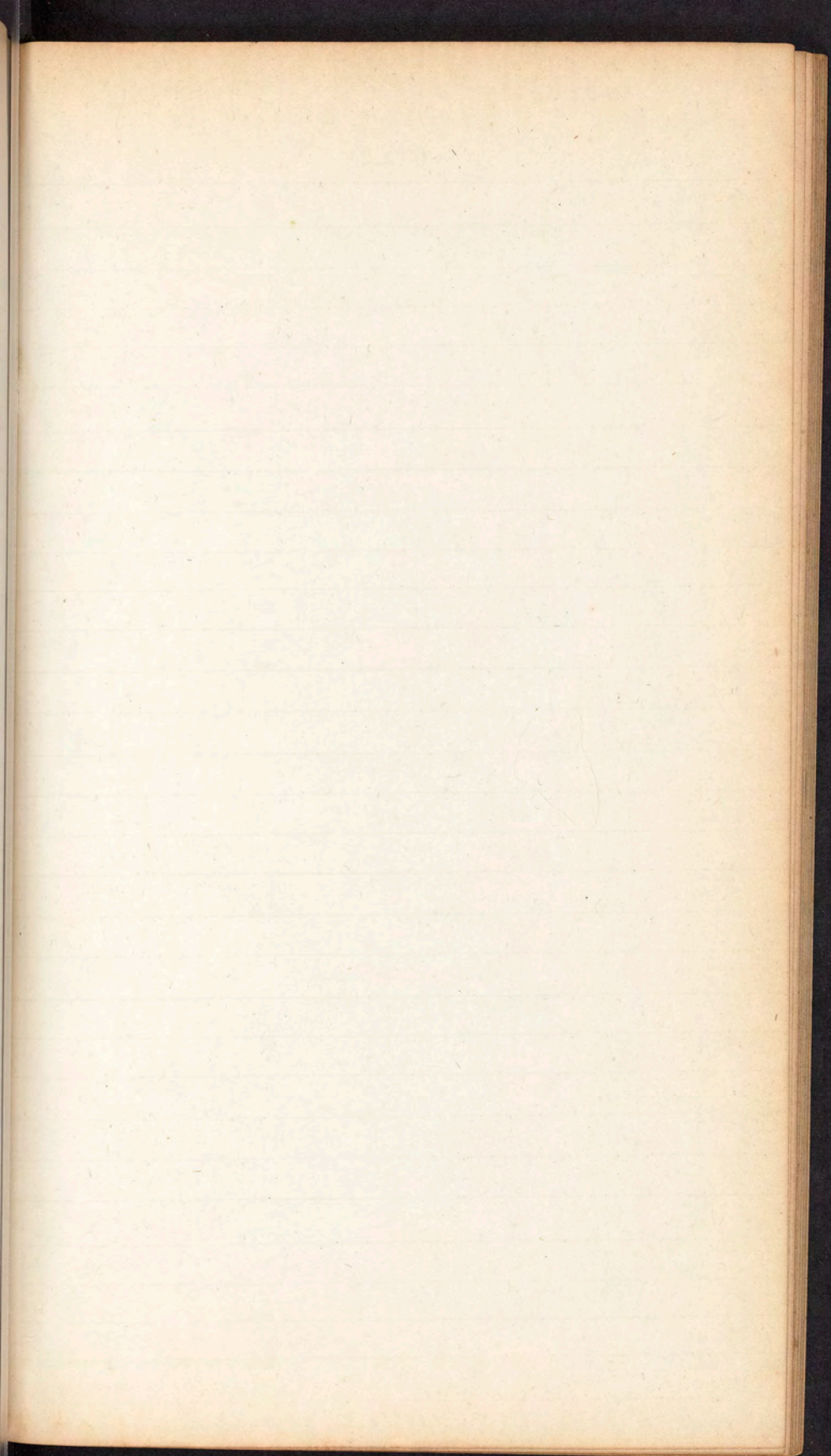
THE
OF
AND
THE

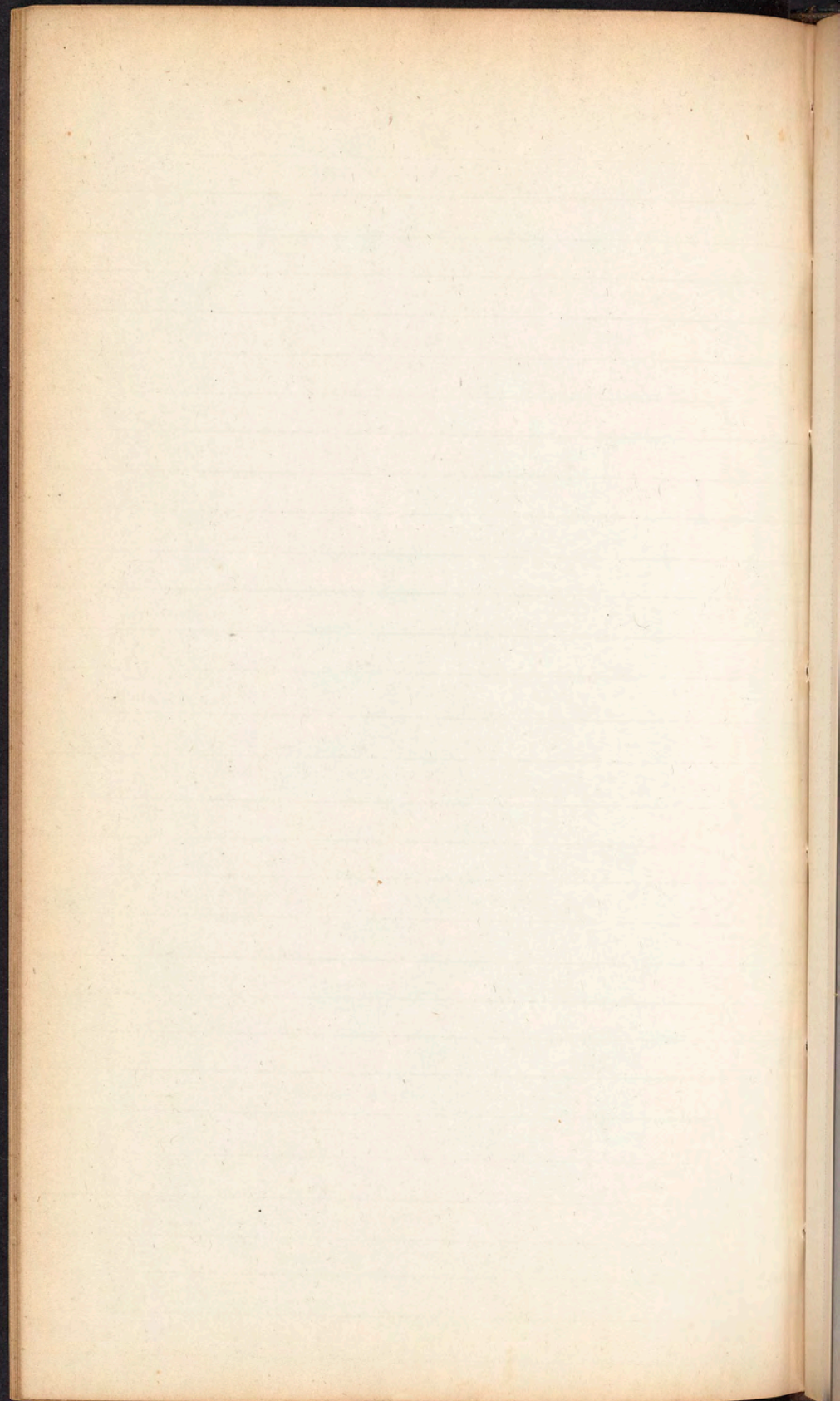
THE
OF
AND
THE

THE
OF
AND
THE

THE
OF
AND
THE

THE
OF
AND
THE





... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..

... ..
... ..
... ..
... ..
... ..
... ..

INFLAMMATION OF THE CORNEA.

Varieties.—1. Acute. 2. Chronic. 3. Partial. 4. Complete. 5. Scrofulous.

Causes.—1. Constitutional. 2. Local.

Symptoms.

Diagnosis.

Prognosis.

Effects.

Treatment.

SUPPURATION OF THE CORNEA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Effects.

Treatment.

ULCERS OF THE CORNEA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Effects.

Complications.—Hernia corneæ, fistula corneæ, &c.

Treatment.

OPACITY OF THE CORNEA.

Varieties.—1. Arcus senilis. 2. Nebula. 3. Albugo, or leucoma. 4. Macula. 5. Congenital.

Causes.

Symptoms.—In each variety.

Diagnosis.

Prognosis.

Effect on vision.

Treatment.—1. General remedies. 2. Local remedies. 3. Cunier's operation. 4. Bigger's operations.

STAPHYLOMA.

Definition.

Extent.—1. Partial. 2. Complete.

Shape.—Varies. Hence we have the staphyloma hemisphericum, globosum, conicum, racemosum, &c.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Structure.

Treatment.

CONICAL CORNEA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. INJURIES AND DISEASES OF THE SCLEROTICA.

WOUNDS.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Effects.

Treatment.

SCLEROTITIS, OR INFLAMMATION OF THE SCLEROTICA.

Varieties.

Causes.

Diagnosis.

Prognosis.

Results.

Treatment.

STAPHYLOMA SCLEROTICÆ.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CYSTS AND TUMOURS OF THE SCLEROTICA.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

V. INJURIES AND DISEASES OF THE AQUEOUS MEMBRANE
AND CHAMBERS.

FOREIGN BODIES LODGED IN THE ANTERIOR CHAMBER.

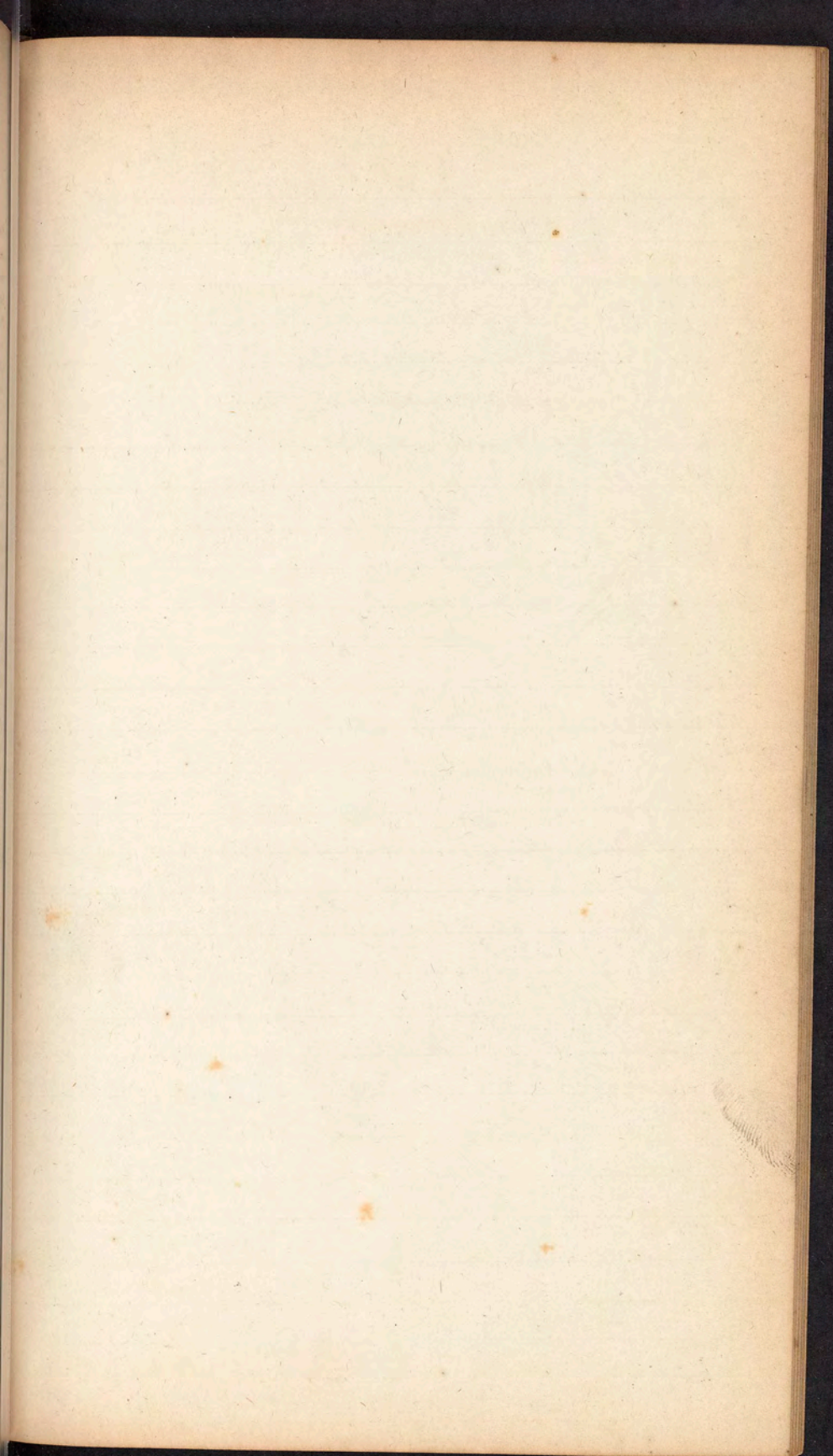
Nature of these bodies.

Manner of introduction.

Symptoms produced by their presence.

Prognosis.

Treatment.



THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911

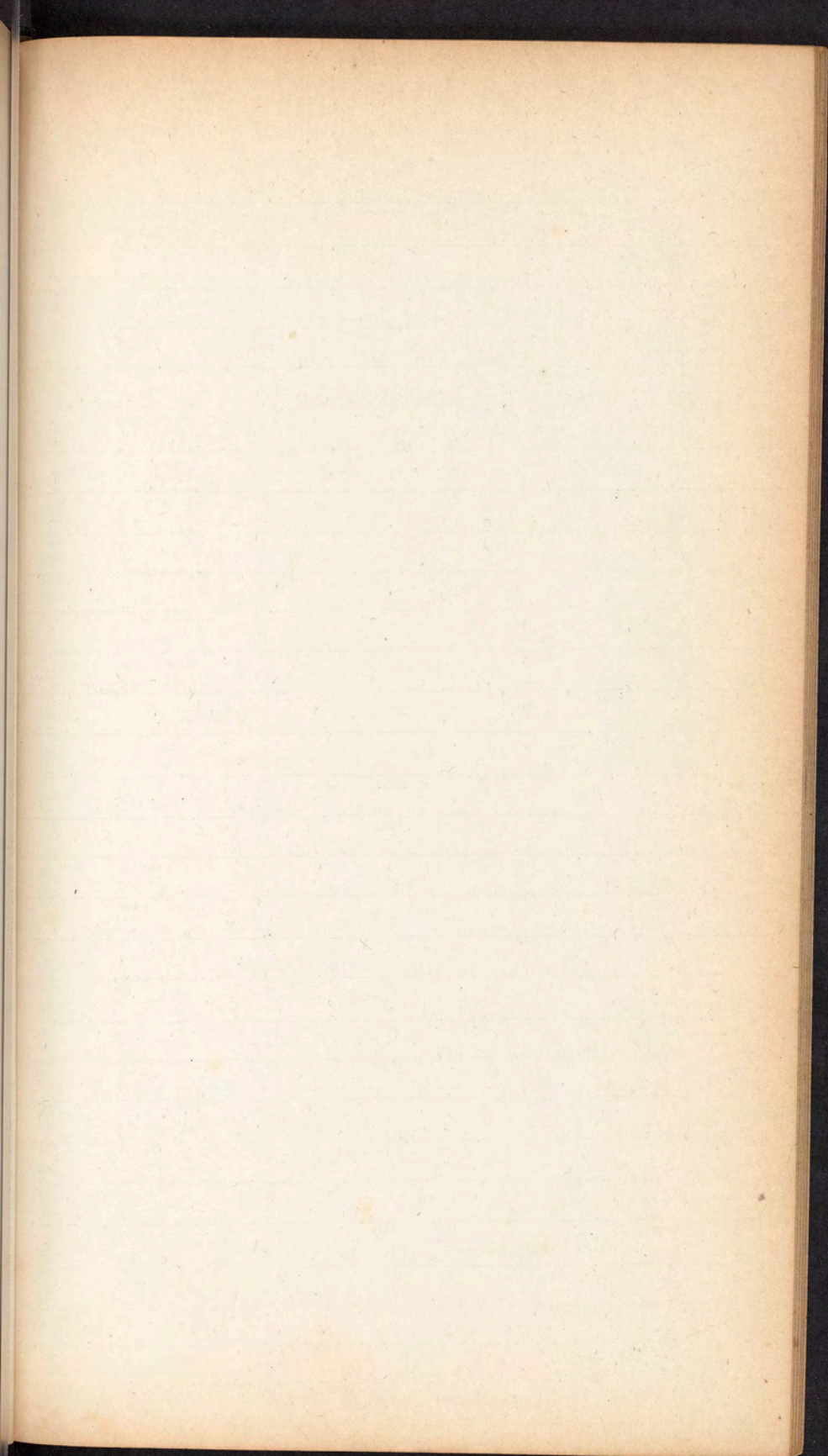
THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911

THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911

THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911

THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911

THE UNIVERSITY OF CHICAGO
LIBRARY
CHICAGO, ILL.
1911



HÆMOPHTHALMUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Effect.

Treatment.

AQUO-CAPSULITIS.

Definition.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Results.

Treatment.

HYPOPHYON.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Results.

Treatment.

DROPSY OF THE ANTERIOR CHAMBER.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Results.

Treatment.

VI. INJURIES AND DISEASES OF THE IRIS.

IRIDEREMIA.

Definition.

Causes.

Appearance of the eye.

Effect on vision.

Prognosis.

Treatment.

COLOBOMA IRIDIS.

Definition.

Causes.

Appearance of the eye.

Effect on vision.

Prognosis.

Treatment.

CHANGE OF COLOR IN THE IRIS.

Causes.
Appearance of the eye.
Effect on vision.
Prognosis.
Treatment.

PROCIDENTIA, OR STAPHYLOMA IRIDIS.

Definition.
Causes.
Symptoms.
Effect on vision.
Prognosis.
Treatment.

SYNECHIA.

Definition.
Varieties.—Anterior and posterior.
Causes.
Symptoms.
Prognosis.
Treatment.

FUNGOUS EXCRESCENCES AND TUMOURS OF THE IRIS.

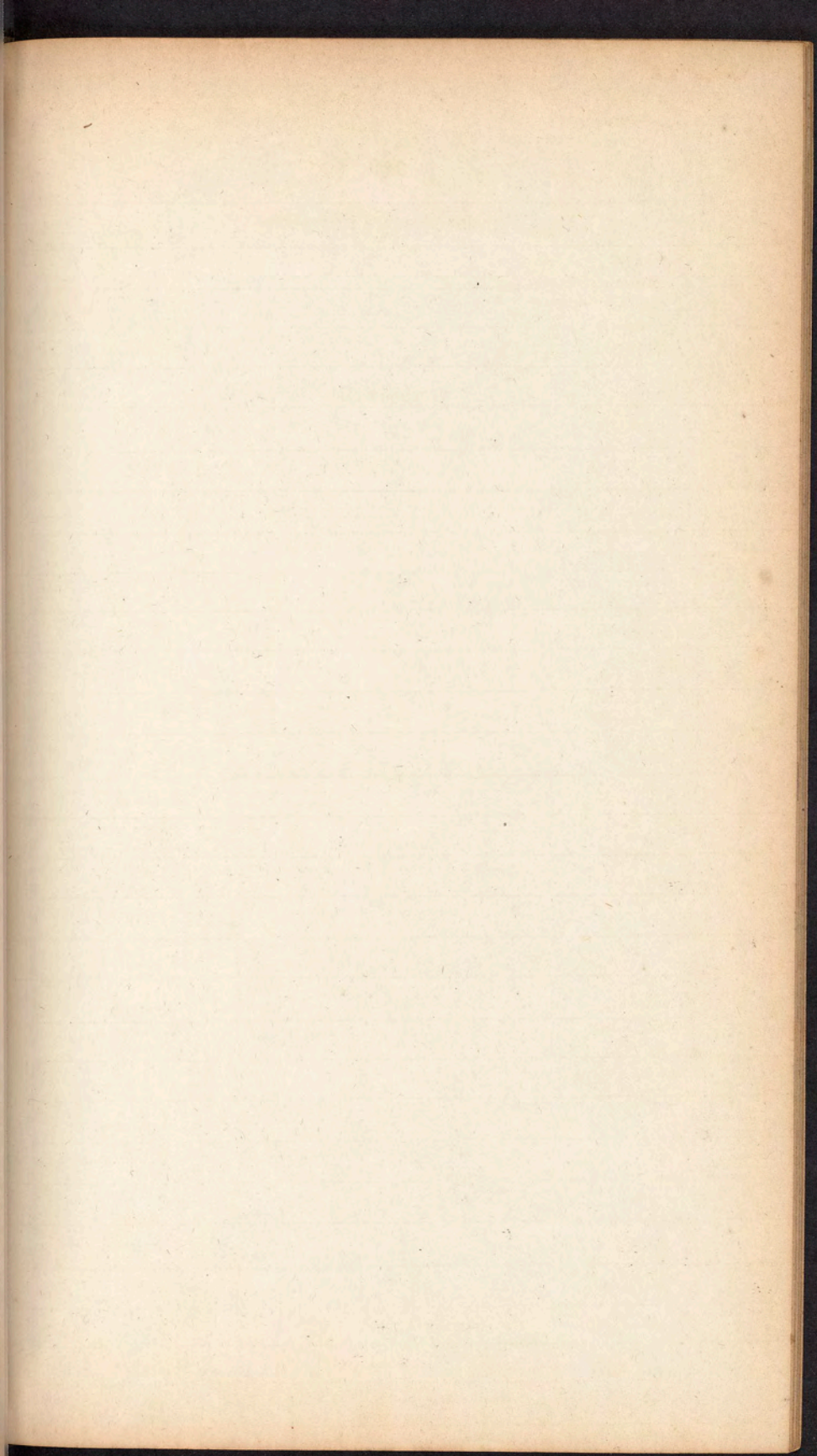
Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

MYOSIS.

Definition.
Causes.
Symptoms.
Effect on vision.
Prognosis.
Treatment.

MYDRIASIS.

Definition.
Causes.
Symptoms.
Effect on vision.
Prognosis.
Treatment.



CHAPTER IV. OF THE NATURE OF THE

...
...
...
...
...

SECTION I. OF THE NATURE OF THE

...
...
...
...
...

OF THE

...
...
...
...
...

SECTION II. OF THE NATURE OF THE

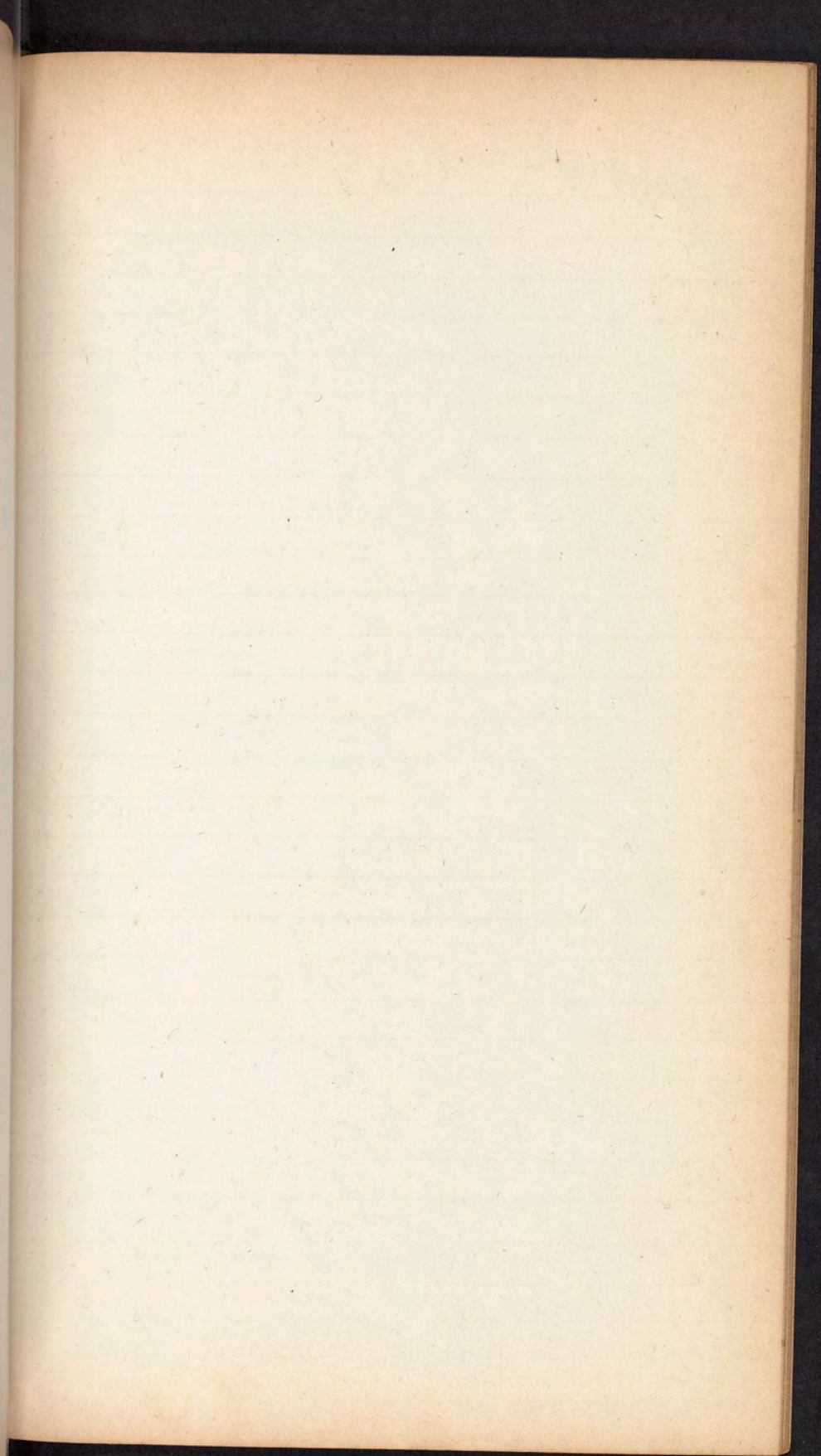
...
...
...
...
...

OF THE

...
...
...
...
...

SECTION III. OF THE NATURE OF THE

...
...
...
...
...



Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

Journal of the

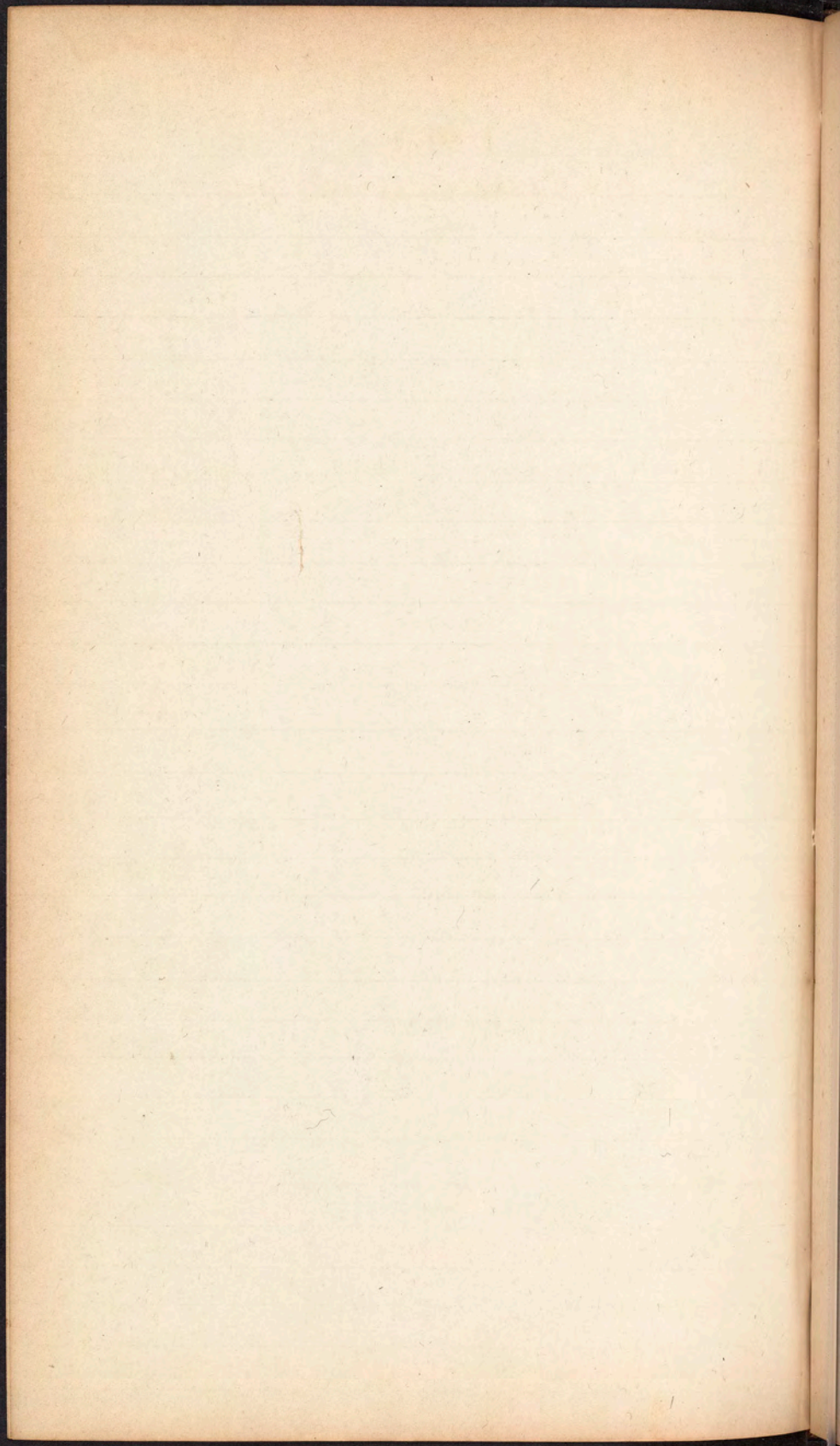
Journal of the

Journal of the

Journal of the

Journal of the

Journal of the



TREMULOUS IRIS.

Definition.

Causes.

Symptoms.

Effect on vision.

Prognosis.

Treatment.

IRITIS.

Definition.

Varieties.—1. Acute. 2. Chronic. 3. Idiopathic. 4. Sympathetic, which includes the syphilitic, arthritic, &c.

Causes.—1st, or constitutional, as syphilis, gout, rheumatism, scrofula, cold, wet, &c.

2d, or local.—Direct injuries, over exertion of the eye, &c.

Age most liable.—Adult and old age. Rarely occurs before puberty.

Symptoms.—1. Constitutional. 2. Local. These are of course modified by the extent, duration, and intensity of the inflammation.

Effects of this inflammation.—1. Effusion of coagulable lymph. 2. Change in the color of the iris. 3. Displacement of the iris. 4. Hypopion. 5. Effusion of blood in the chambers. 6. Adhesions between the iris and cornea, or capsule of the lens. 7. Loss of motion in the iris. 8. Closure of the pupil. 9. Atrophy of the globe. 10. Opacity and thinning of the cornea. 11. Partial or entire loss of vision.

Diagnosis.

Prognosis.—Depends on circumstances; for the most part it is unfavorable.

Treatment.—Three indications—1. Arrest the inflammation. 2. Prevent the further effusion of lymph, and promote the absorption of that already secreted. 3. Prevent the contraction and obliteration of the pupil. Remedies to be employed for the accomplishment of these indications.

OPERATIONS FOR ARTIFICIAL PUPIL.

Object of these operations.

States of the eye requiring the operation.

Proper condition of the eye for an operation.

Prognosis.

Position of the artificial pupil.

Should we operate when one eye is sound!

Should we operate on BOTH when both eyes are diseased.

Preparation of the patient for an operation.

Various operations described.—Three principal methods at present in vogue.

1. Incision. 2. Excision. 3. Separation.

Relative merits of each.

Formation of an artificial pupil in the sclerotica.

VII. DISEASES OF THE CHOROID COAT.

CHOROIDITIS.

Definition.

Varieties.—Acute and chronic.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

DEFICIENCY OF PIGMENT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VIII. DISEASES OF THE RETINA.

RETINITIS.

Definition.

Varieties.—Acute and chronic.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

AMAUROSIS.

Definition.

Synonyms.—Gutta serena, suffusion.

Varieties.—1. Idiopathic. 2. Sympathetic. 3. Symptomatic. 4. Incipient, or recent. 5. Inveterate, or confirmed. 6. Partial. 7. Complete. 8. Organic. 9. Functional. 10. Continued. 11. Intermittent. 12. Periodical. 13. Local, or nervous. 14. Complicated.

Causes.—Several classes—

1. Those operating immediately on the nervous apparatus of the eye.
2. Those operating indirectly through the medium of some other organ, or by sympathy.
3. Those operating through the medium of the sensorium.
4. Congenital causes.

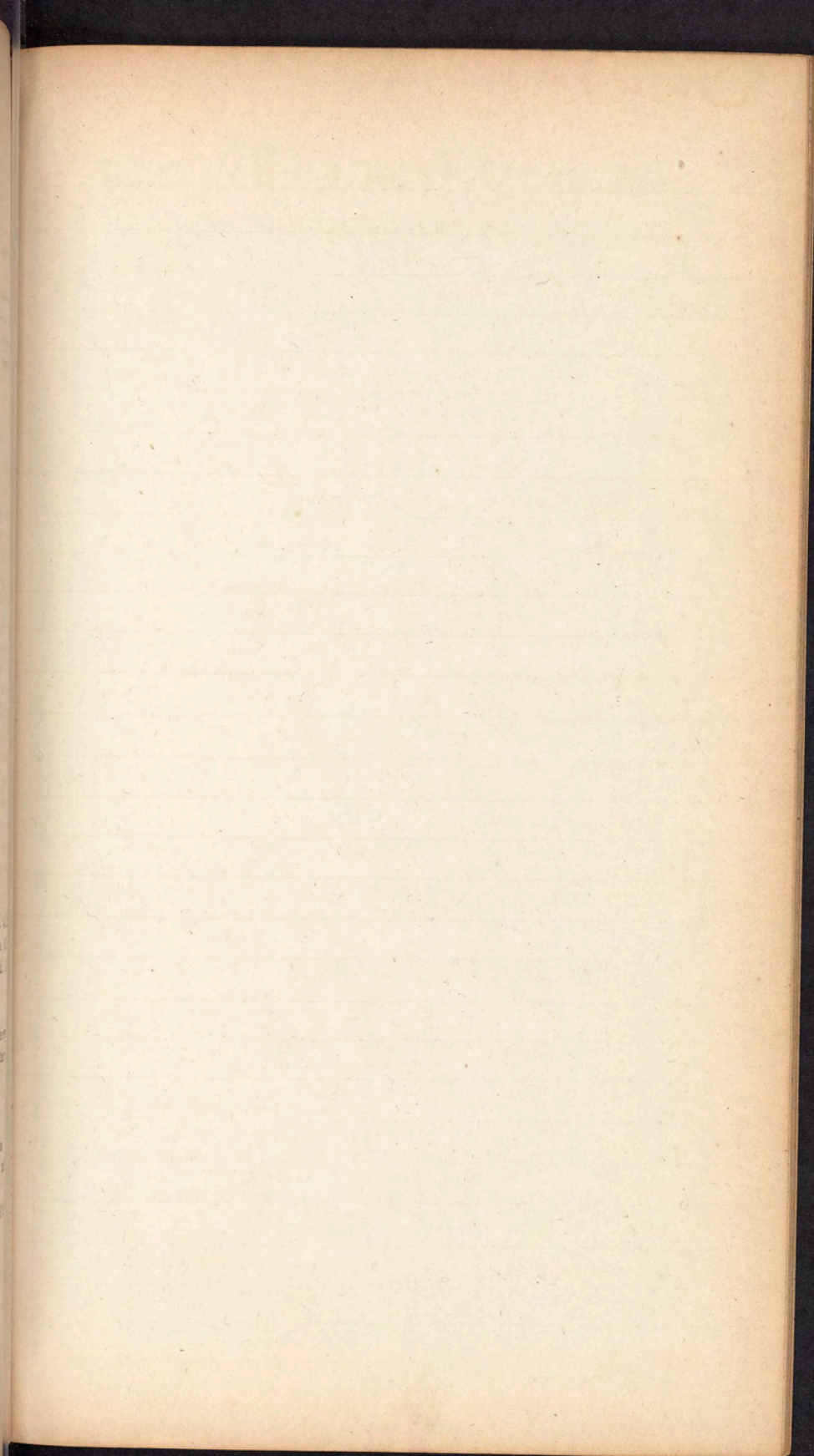
Symptoms.—Depend on the stage at which we examine the case.

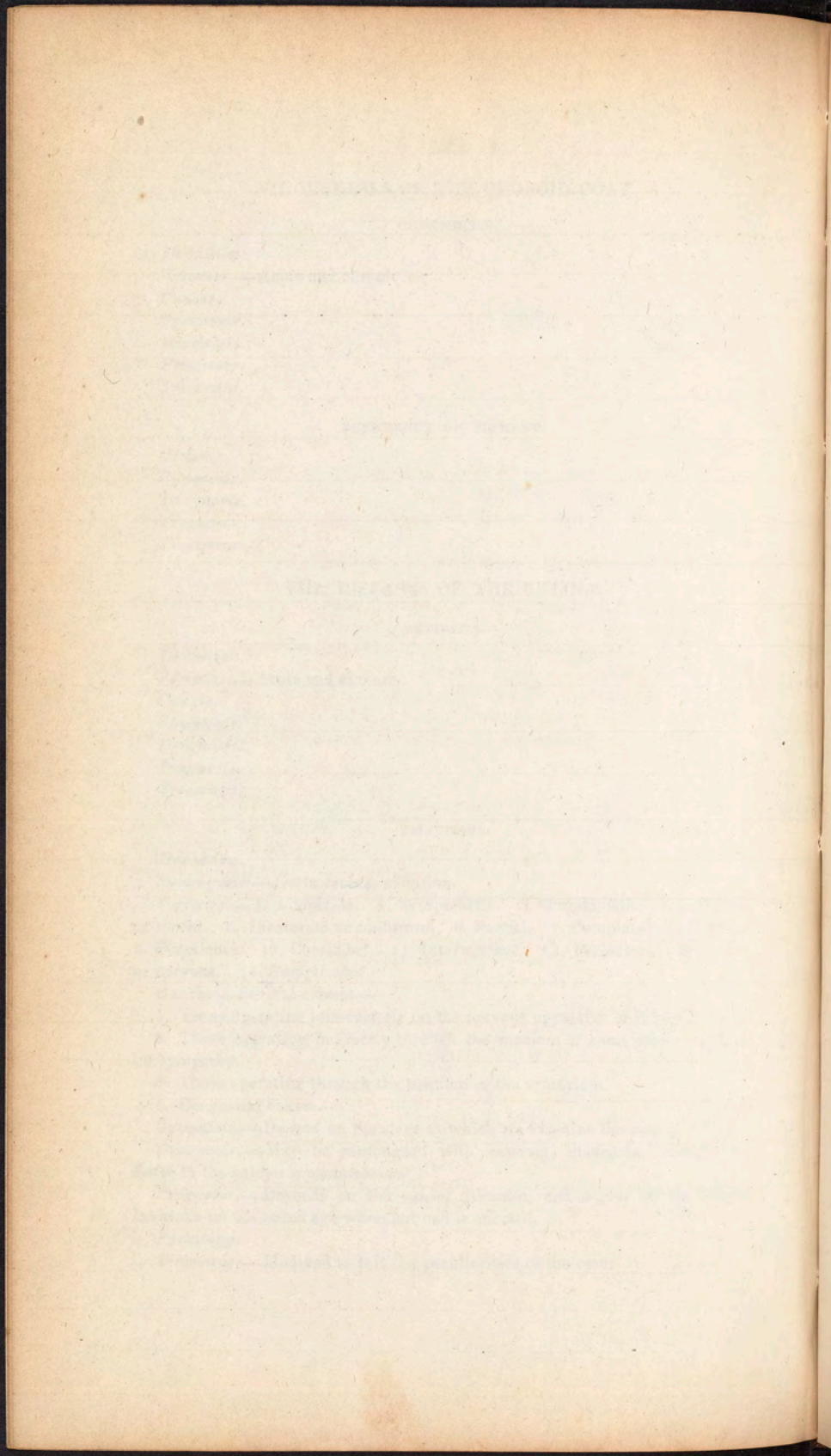
Diagnosis.—May be confounded with cataract, glaucoma, muscæ, &c. Refer to the catoptric examination.

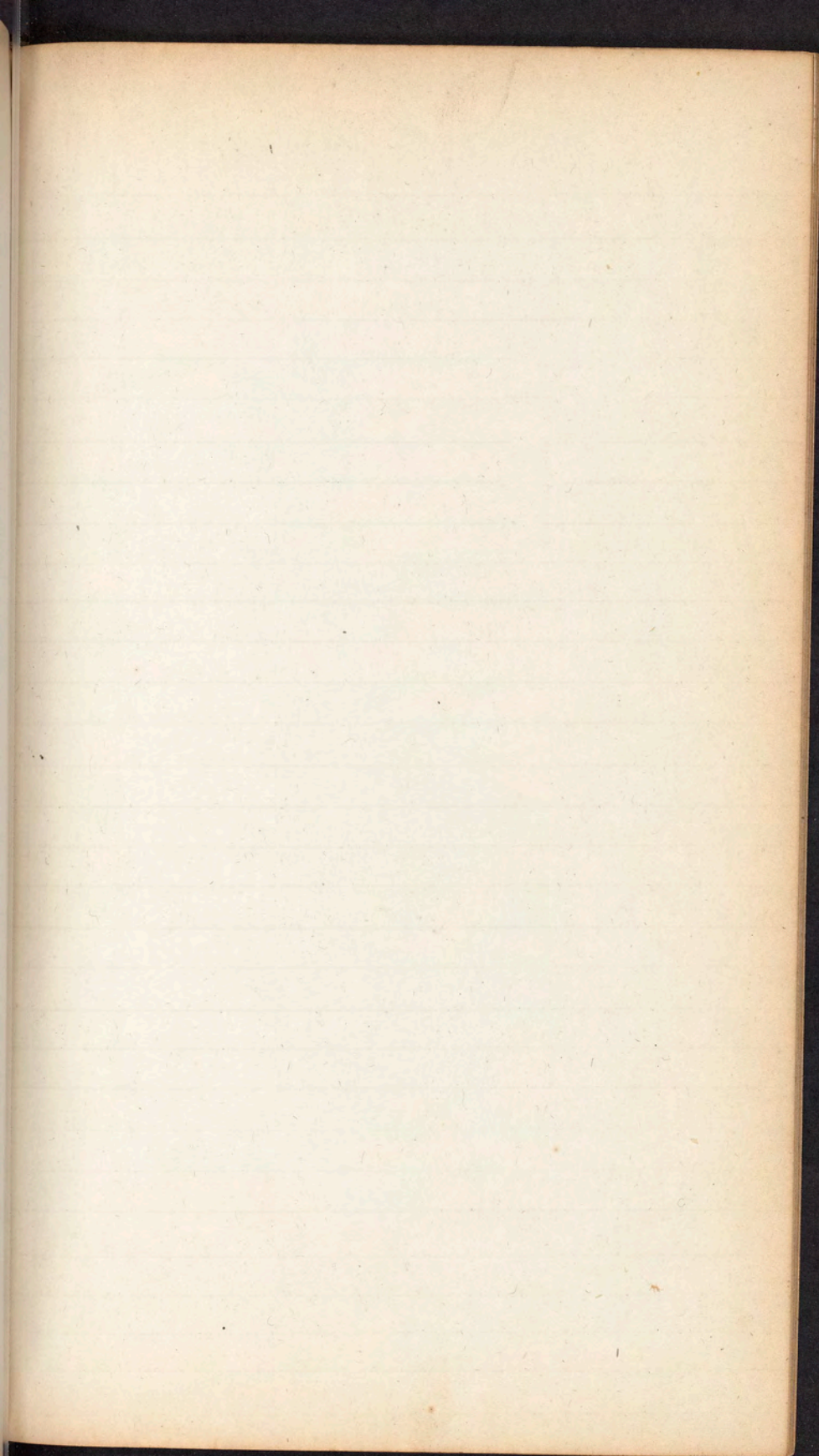
Prognosis.—Depends on the *cause*, *duration*, and *degree* of the attack. Influence on the sound eye when but one is affected.

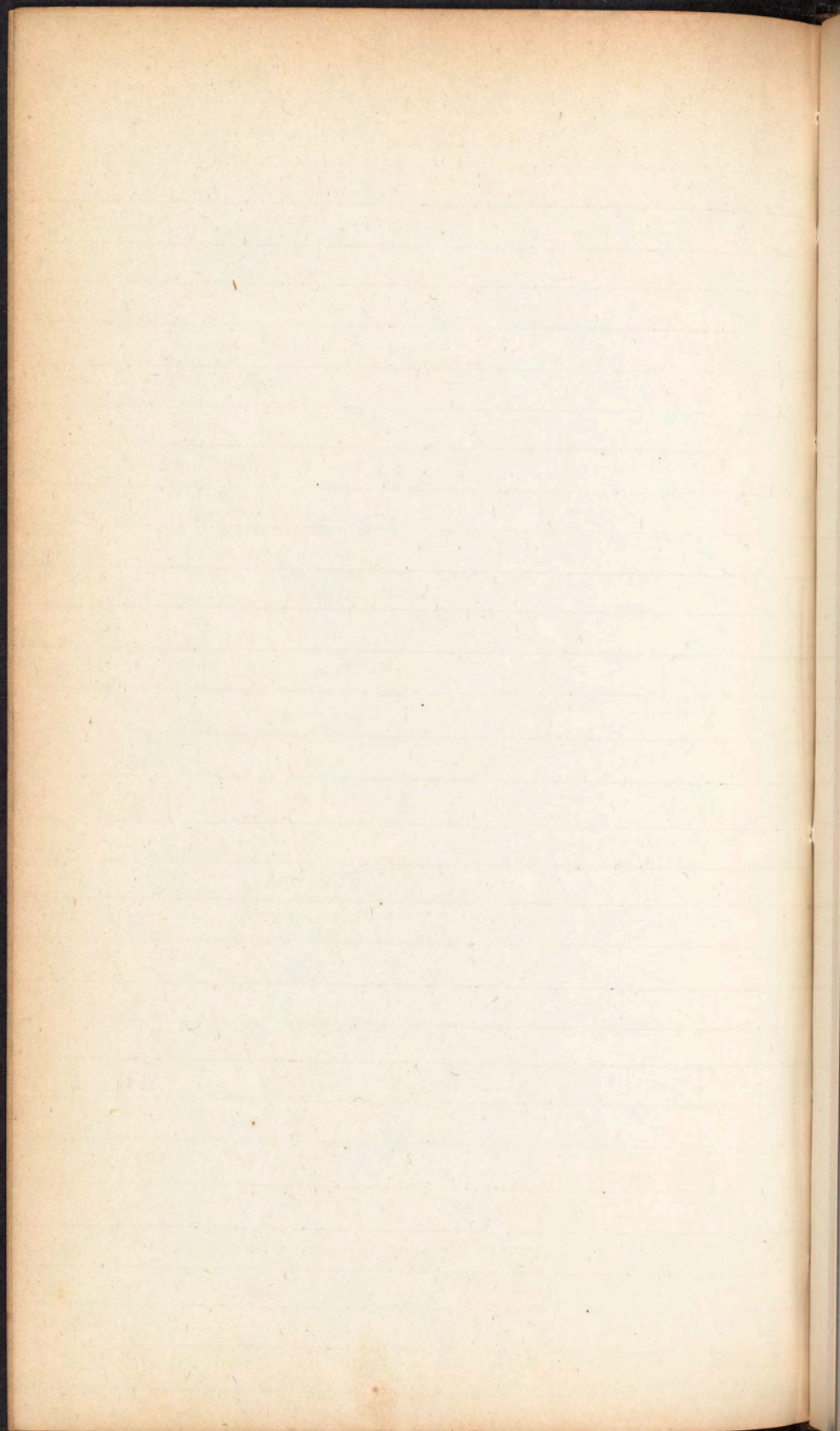
Pathology.

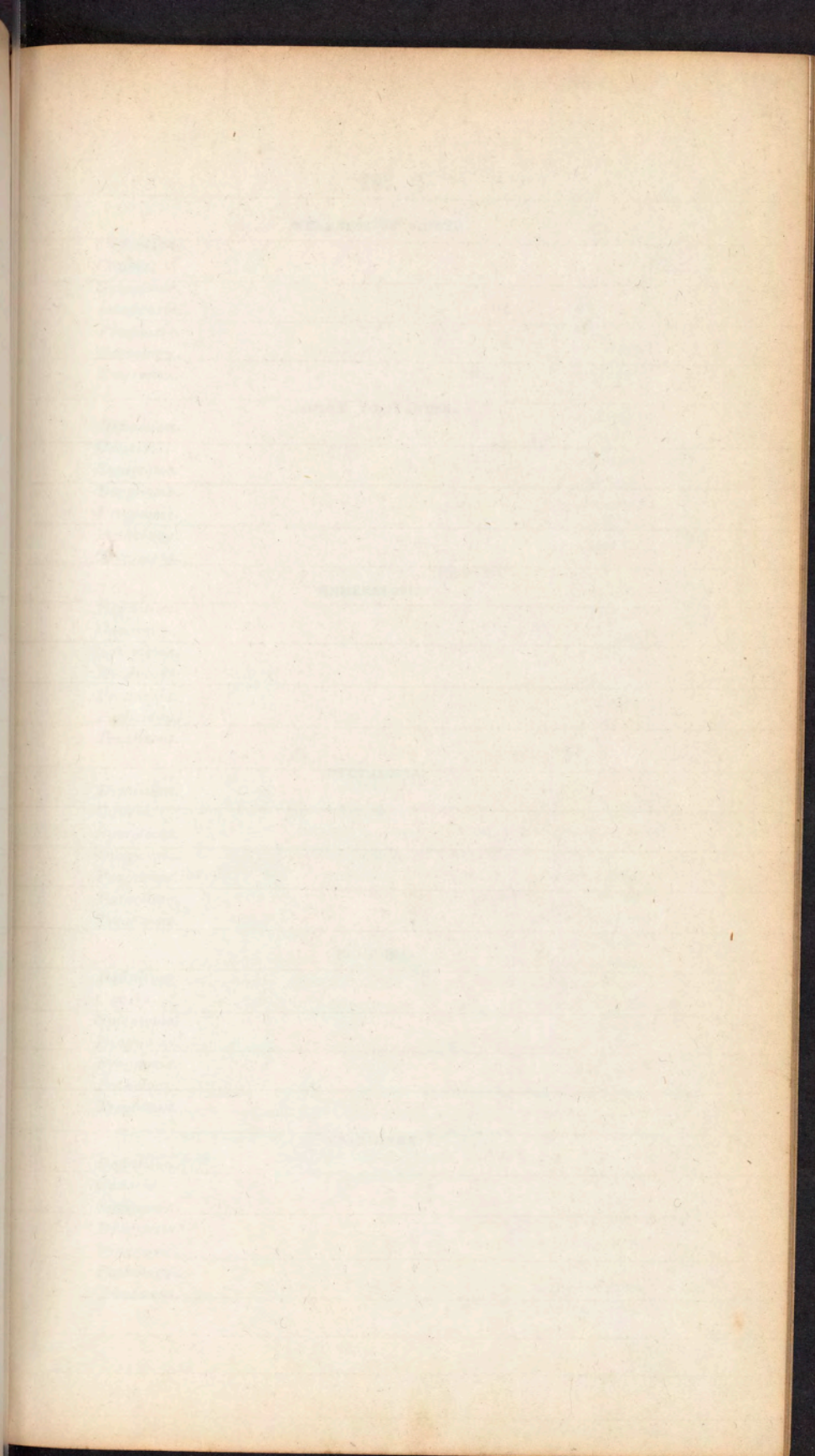
Treatment.—Modified to suit the peculiarities of the case.











WEAKNESS OF SIGHT.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

MUSCÆ VOLITANTES.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

HEMERALLOPIA

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

NYCTALLOPIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

HEMIOPIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

NEAR-SIGHT

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Pathology.
Treatment.

FAR-SIGHT.

*Definition.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Pathology.**Treatment.*

PHOTOPSIA.

*Definition.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Pathology.**Treatment.*

CHRUPTIA, OR COLORED VISION.

*Definition.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Pathology.**Treatment.*

IX. DISEASES OF THE LENS AND CAPSULE.

CATARACT.

Definition.—Partial or complete opacity of the crystalline lens, of its capsule, of both conjointly, or of the liquor Morgagni.

Varieties.—Lenticular, capsular, capsulo-lenticular, and Morgagnian; true and false; radiated and aborescent; hard, soft, and fluid, and cataracts of various colours; congenital and acquired.

Age most liable.

Causes.

Symptoms.—Impaired vision, opacity in or behind the pupil, &c. &c.

Diagnosis.—May be confounded with amaurosis, glaucoma, weakened sight, deposits of lymph, &c. Use the catoptric test to ascertain the true character of the case.

Prognosis.—Depends on the complication of the case, its duration, &c.

Progress of the defect.

Question of operating when but one eye is affected.

Treatment.—Nothing short of an operation will cure the complaint. Several operations have been devised, viz.: 1. Extraction. 2. Depression, or couching. 3. Reclination. 4. Solution or absorption. (Anterior and posterior operation.)

Appreciation of these different operations.

Description of each, and the instruments required for its performance.

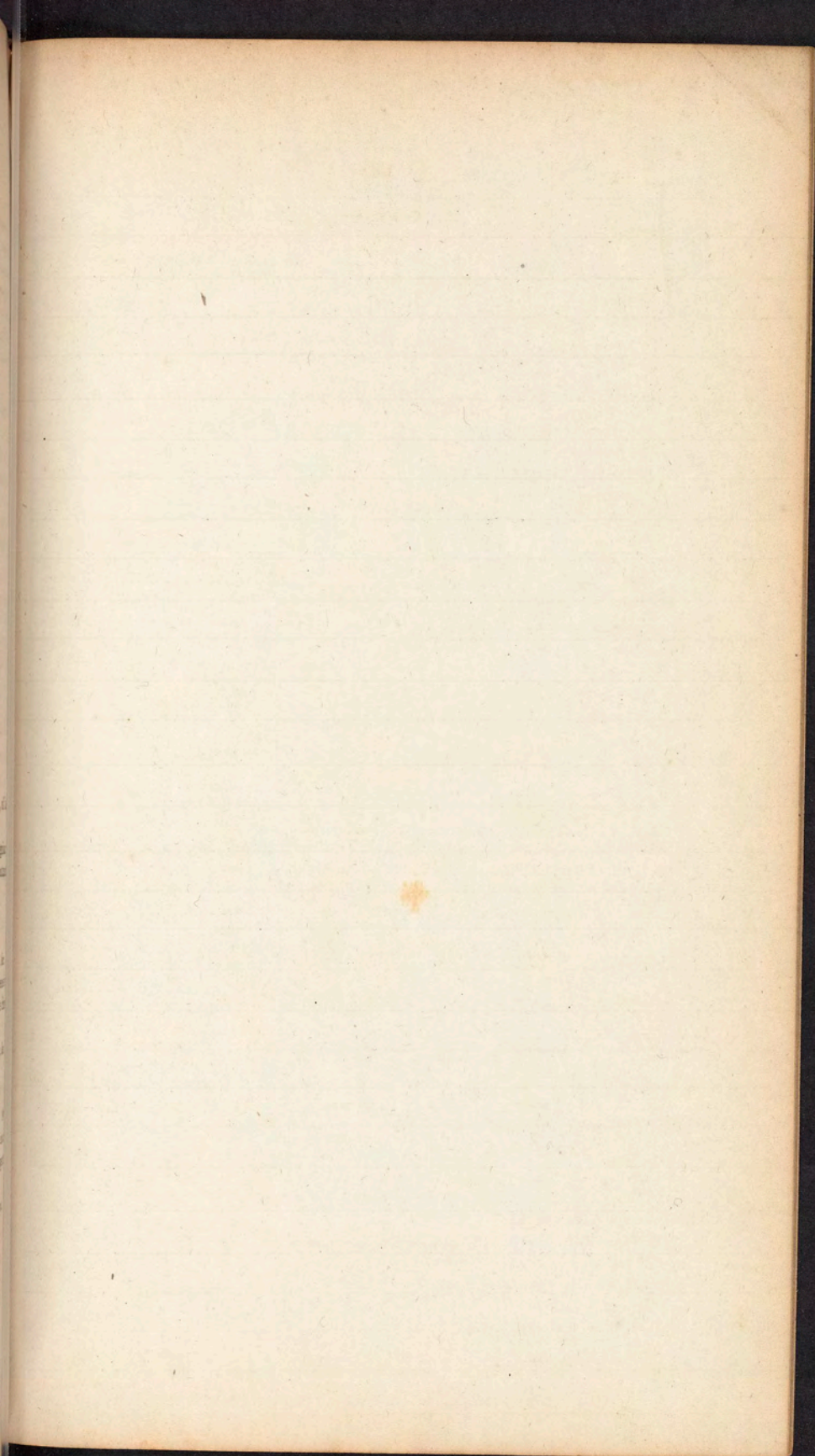
Preparation of the patient.

Season most favorable for operating.

After treatment.

Condition of the eye when the operation succeeds.

Cataract glasses.

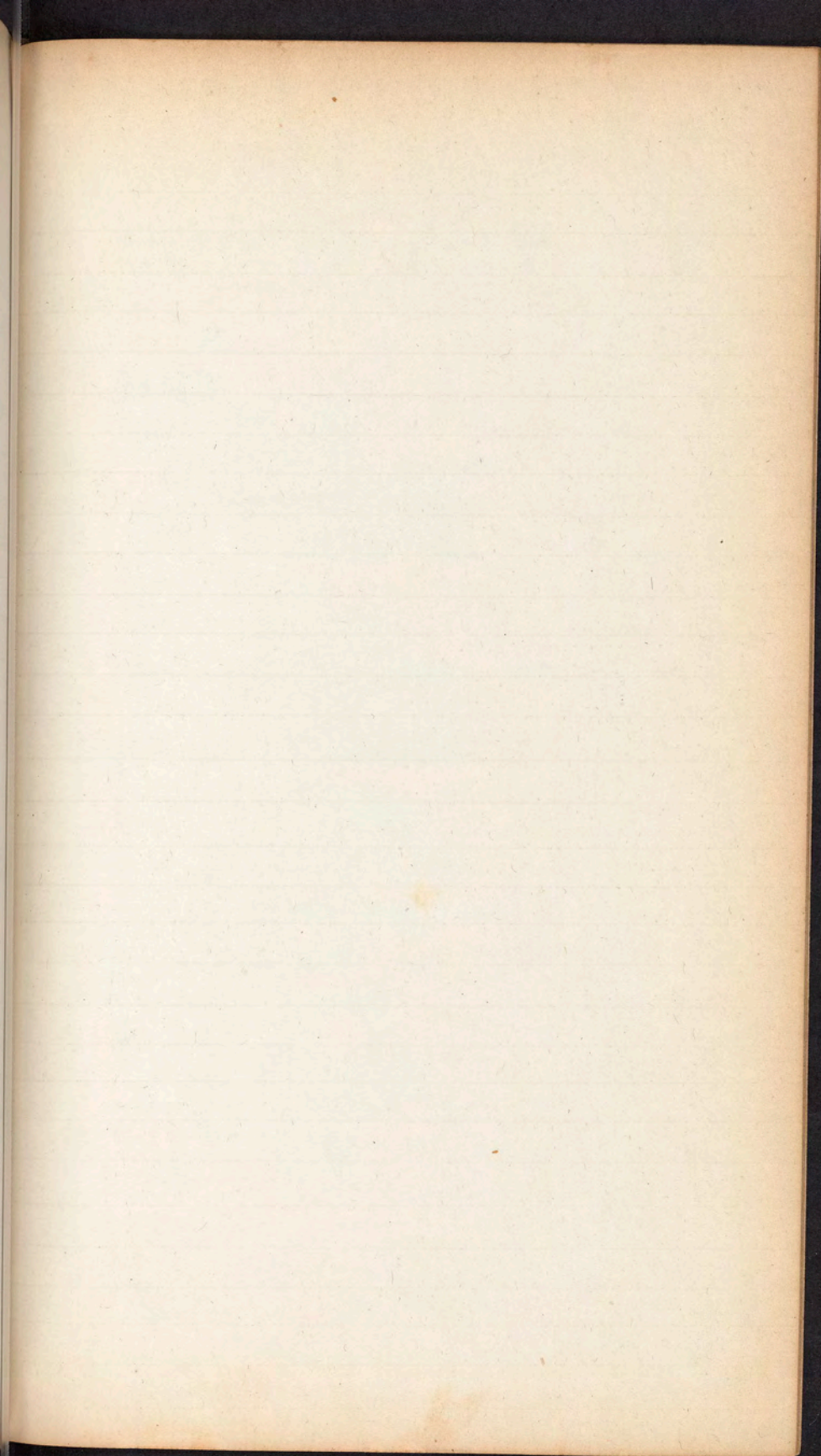


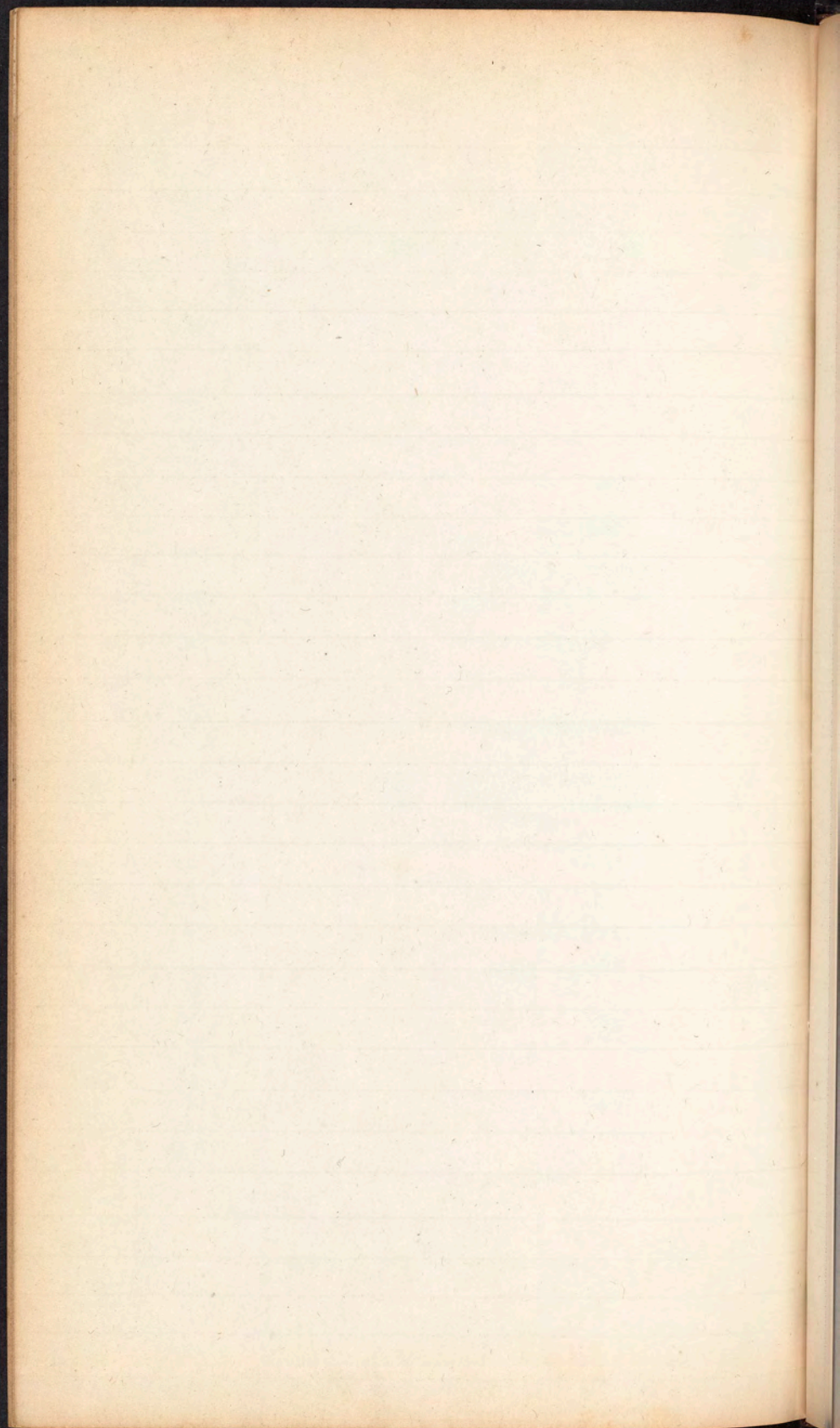
Prostate
Bladder
Uterus
Vagina
Ovary
Fallopian

Rectum
Sigmoid
Colon
Cecum
Appendix
Stomach
Duodenum
Pancreas
Liver
Gall bladder

II. DISEASES OF THE LUNG AND BRONCHUS

Pneumonia.—Pneumonia is an inflammation of the lung, and is one of the most common of the diseases of the chest.
It is caused by a variety of causes, such as cold, exposure to wet weather, and contagion.
The first symptom is a dry cough, which is soon followed by a cough with expectoration of yellowish sputum.
The patient feels oppressed, and has a fever, with a rapid pulse.
The disease is attended by a great deal of suffering, and is often fatal.
The treatment consists in the use of expectorants, and in the application of blisters to the chest.
The prognosis is, that if the disease is not cured in the first week, it will be fatal.
The cure is effected by the use of the following remedies:—
1. Digitalis, in the form of a tincture, or of a pill.
2. Potash, in the form of a solution, or of a pill.
3. Opium, in the form of a tincture, or of a pill.
4. The mineral acids, in the form of a solution, or of a pill.
5. The vegetable acids, in the form of a solution, or of a pill.
6. The essential oils, in the form of a solution, or of a pill.
7. The volatile oils, in the form of a solution, or of a pill.
8. The fixed oils, in the form of a solution, or of a pill.
9. The fatty acids, in the form of a solution, or of a pill.
10. The mineral salts, in the form of a solution, or of a pill.
11. The vegetable salts, in the form of a solution, or of a pill.
12. The essential salts, in the form of a solution, or of a pill.
13. The volatile salts, in the form of a solution, or of a pill.
14. The fixed salts, in the form of a solution, or of a pill.
15. The fatty salts, in the form of a solution, or of a pill.
16. The mineral acids, in the form of a solution, or of a pill.
17. The vegetable acids, in the form of a solution, or of a pill.
18. The essential oils, in the form of a solution, or of a pill.
19. The volatile oils, in the form of a solution, or of a pill.
20. The fixed oils, in the form of a solution, or of a pill.
21. The fatty acids, in the form of a solution, or of a pill.
22. The mineral salts, in the form of a solution, or of a pill.
23. The vegetable salts, in the form of a solution, or of a pill.
24. The essential salts, in the form of a solution, or of a pill.
25. The volatile salts, in the form of a solution, or of a pill.
26. The fixed salts, in the form of a solution, or of a pill.
27. The fatty salts, in the form of a solution, or of a pill.
28. The mineral acids, in the form of a solution, or of a pill.
29. The vegetable acids, in the form of a solution, or of a pill.
30. The essential oils, in the form of a solution, or of a pill.
31. The volatile oils, in the form of a solution, or of a pill.
32. The fixed oils, in the form of a solution, or of a pill.
33. The fatty acids, in the form of a solution, or of a pill.
34. The mineral salts, in the form of a solution, or of a pill.
35. The vegetable salts, in the form of a solution, or of a pill.
36. The essential salts, in the form of a solution, or of a pill.
37. The volatile salts, in the form of a solution, or of a pill.
38. The fixed salts, in the form of a solution, or of a pill.
39. The fatty salts, in the form of a solution, or of a pill.
40. The mineral acids, in the form of a solution, or of a pill.
41. The vegetable acids, in the form of a solution, or of a pill.
42. The essential oils, in the form of a solution, or of a pill.
43. The volatile oils, in the form of a solution, or of a pill.
44. The fixed oils, in the form of a solution, or of a pill.
45. The fatty acids, in the form of a solution, or of a pill.
46. The mineral salts, in the form of a solution, or of a pill.
47. The vegetable salts, in the form of a solution, or of a pill.
48. The essential salts, in the form of a solution, or of a pill.
49. The volatile salts, in the form of a solution, or of a pill.
50. The fixed salts, in the form of a solution, or of a pill.
51. The fatty salts, in the form of a solution, or of a pill.
52. The mineral acids, in the form of a solution, or of a pill.
53. The vegetable acids, in the form of a solution, or of a pill.
54. The essential oils, in the form of a solution, or of a pill.
55. The volatile oils, in the form of a solution, or of a pill.
56. The fixed oils, in the form of a solution, or of a pill.
57. The fatty acids, in the form of a solution, or of a pill.
58. The mineral salts, in the form of a solution, or of a pill.
59. The vegetable salts, in the form of a solution, or of a pill.
60. The essential salts, in the form of a solution, or of a pill.
61. The volatile salts, in the form of a solution, or of a pill.
62. The fixed salts, in the form of a solution, or of a pill.
63. The fatty salts, in the form of a solution, or of a pill.
64. The mineral acids, in the form of a solution, or of a pill.
65. The vegetable acids, in the form of a solution, or of a pill.
66. The essential oils, in the form of a solution, or of a pill.
67. The volatile oils, in the form of a solution, or of a pill.
68. The fixed oils, in the form of a solution, or of a pill.
69. The fatty acids, in the form of a solution, or of a pill.
70. The mineral salts, in the form of a solution, or of a pill.
71. The vegetable salts, in the form of a solution, or of a pill.
72. The essential salts, in the form of a solution, or of a pill.
73. The volatile salts, in the form of a solution, or of a pill.
74. The fixed salts, in the form of a solution, or of a pill.
75. The fatty salts, in the form of a solution, or of a pill.
76. The mineral acids, in the form of a solution, or of a pill.
77. The vegetable acids, in the form of a solution, or of a pill.
78. The essential oils, in the form of a solution, or of a pill.
79. The volatile oils, in the form of a solution, or of a pill.
80. The fixed oils, in the form of a solution, or of a pill.
81. The fatty acids, in the form of a solution, or of a pill.
82. The mineral salts, in the form of a solution, or of a pill.
83. The vegetable salts, in the form of a solution, or of a pill.
84. The essential salts, in the form of a solution, or of a pill.
85. The volatile salts, in the form of a solution, or of a pill.
86. The fixed salts, in the form of a solution, or of a pill.
87. The fatty salts, in the form of a solution, or of a pill.
88. The mineral acids, in the form of a solution, or of a pill.
89. The vegetable acids, in the form of a solution, or of a pill.
90. The essential oils, in the form of a solution, or of a pill.
91. The volatile oils, in the form of a solution, or of a pill.
92. The fixed oils, in the form of a solution, or of a pill.
93. The fatty acids, in the form of a solution, or of a pill.
94. The mineral salts, in the form of a solution, or of a pill.
95. The vegetable salts, in the form of a solution, or of a pill.
96. The essential salts, in the form of a solution, or of a pill.
97. The volatile salts, in the form of a solution, or of a pill.
98. The fixed salts, in the form of a solution, or of a pill.
99. The fatty salts, in the form of a solution, or of a pill.
100. The mineral acids, in the form of a solution, or of a pill.





Among the various other important subjects which have been discussed in the course of the present work, the following are the most important ones which have been treated in a more or less detailed manner.

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE HISTORY OF THE SUBJECT

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE PRINCIPLES OF THE SUBJECT

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE METHODS OF THE SUBJECT

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE RESULTS OF THE SUBJECT

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE APPLICATIONS OF THE SUBJECT

- 1. The history of the subject.
- 2. The principles of the subject.
- 3. The methods of the subject.
- 4. The results of the subject.
- 5. The applications of the subject.
- 6. The future of the subject.

THE FUTURE OF THE SUBJECT

GLAUCOMA.

Although this affection, strictly speaking, cannot be considered an affection of the lens in every case, yet as glaucoma is often confounded with cataract, and the lens is often involved, it may be as well to speak of it under this head.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Pathology.

Treatment.

X. DISEASES OF THE GLOBE OF THE EYE.

INFLAMMATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HYDROPTHALMIA.

Definition.

Varieties.—1. Dropsy of the anterior and posterior chambers. 2. Dropsy of the vitreous humour. 3. General dropsy of the eye-ball.

Causes.

Symptoms in each form.

Diagnosis.

Prognosis.

Treatment.

ATROPHY OF THE BALL.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

COLLAPSE FROM SUPPURATION.

Character of the defect.

Mode of relieving the deformity.

EXOPHTHALMIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XI. AFFECTIONS OF THE LACHRYMAL ORGANS.

INFLAMMATION OF THE LACHRYMAL GLANDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ENLARGEMENT AND INDURATION OF THE LACHRYMAL GLAND.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

EPIPHORA, OR EXCESSIVE SECRETION OF THE TEARS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

STILLICIDIUM LACHRYMARUM.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XII. DISEASES OF THE CARUNCULA LACHRYMALIS.

ECANTHIS.

Definition.

Varieties.—Innocent and malignant.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

TUMOURS OF VARIOUS KINDS.

XIII. DISEASES OF THE LACHRYMAL SAC AND DUCT.

INFLAMMATION.

Causes.

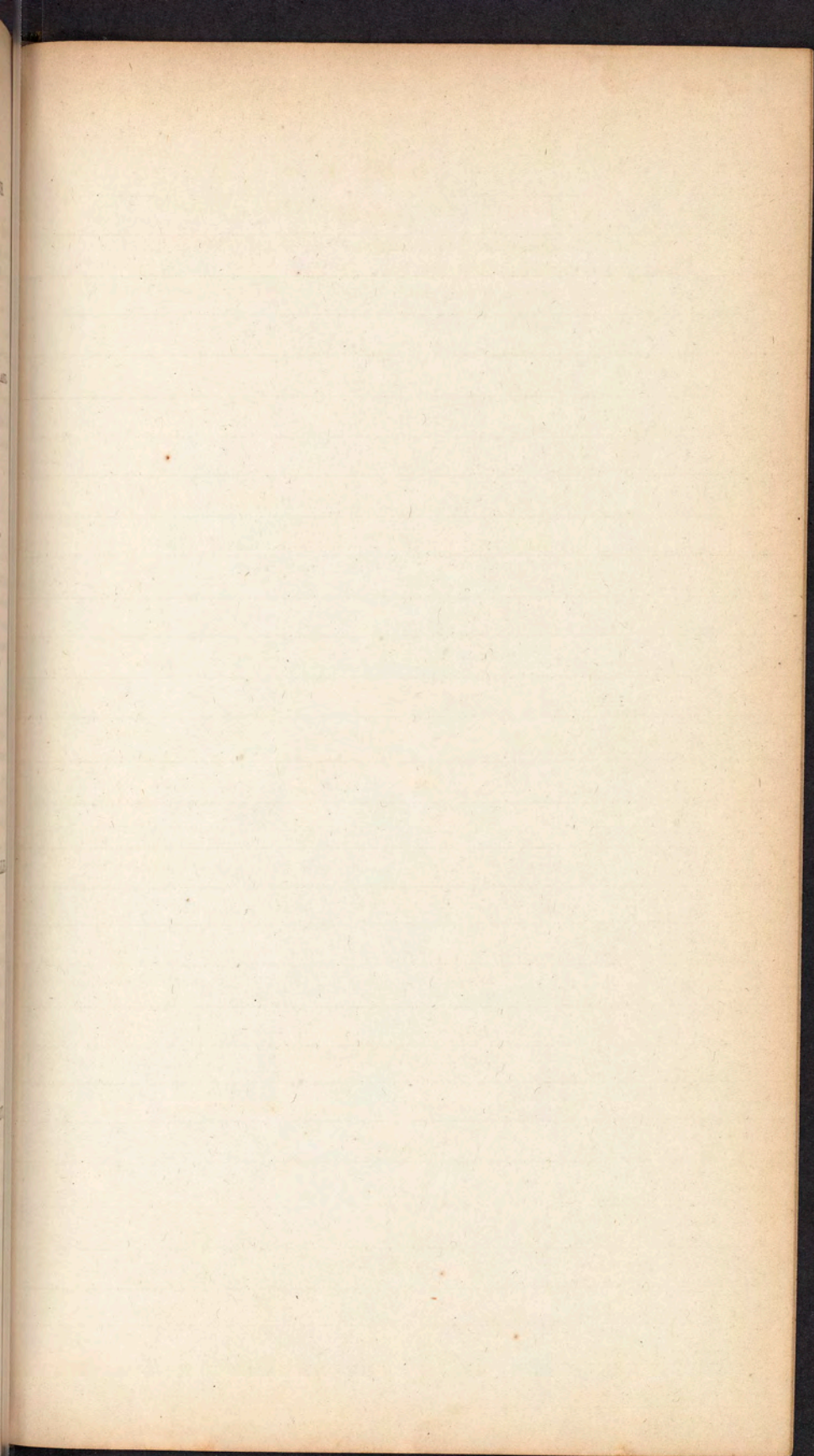
Varieties.—Acute and chronic.

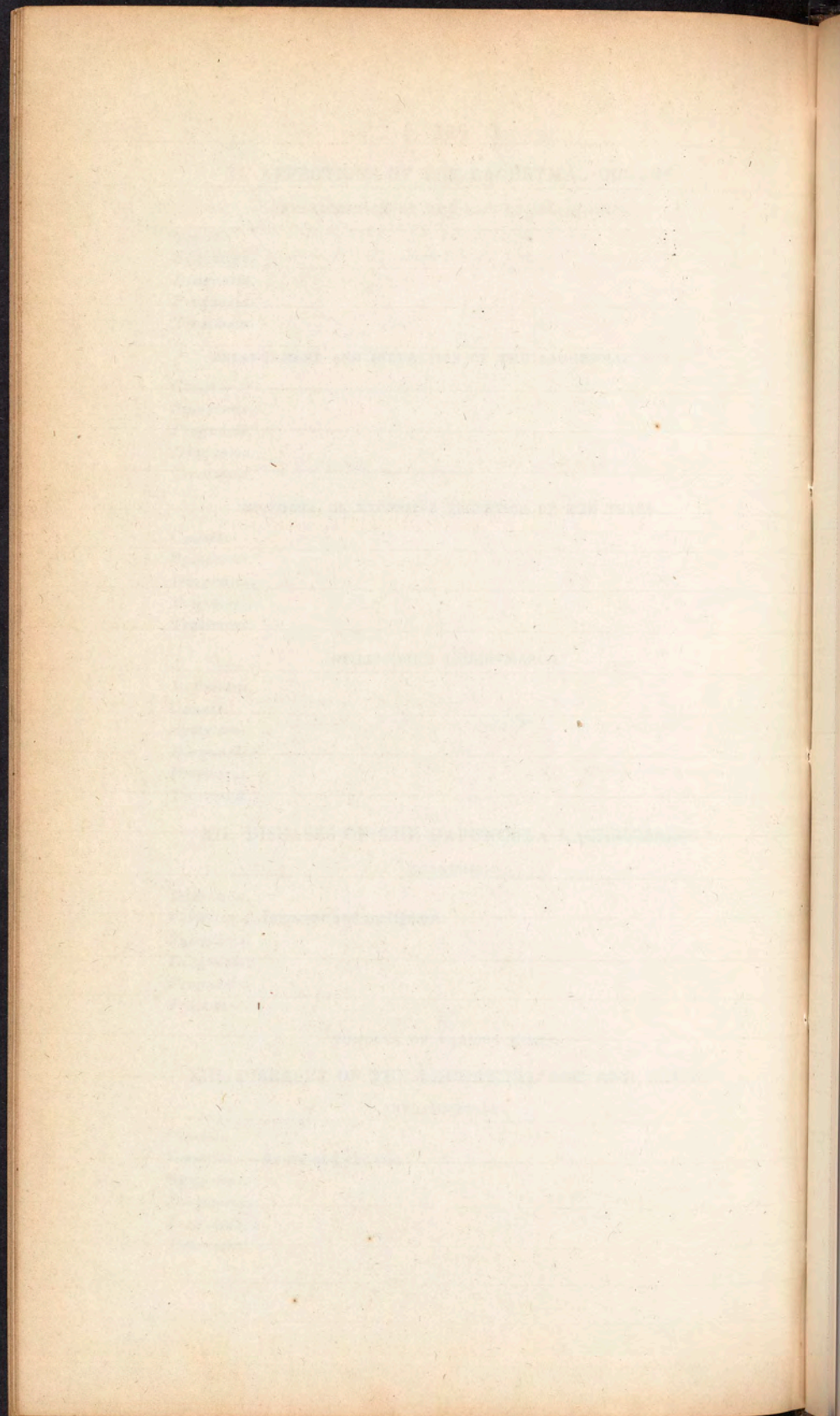
Symptoms.

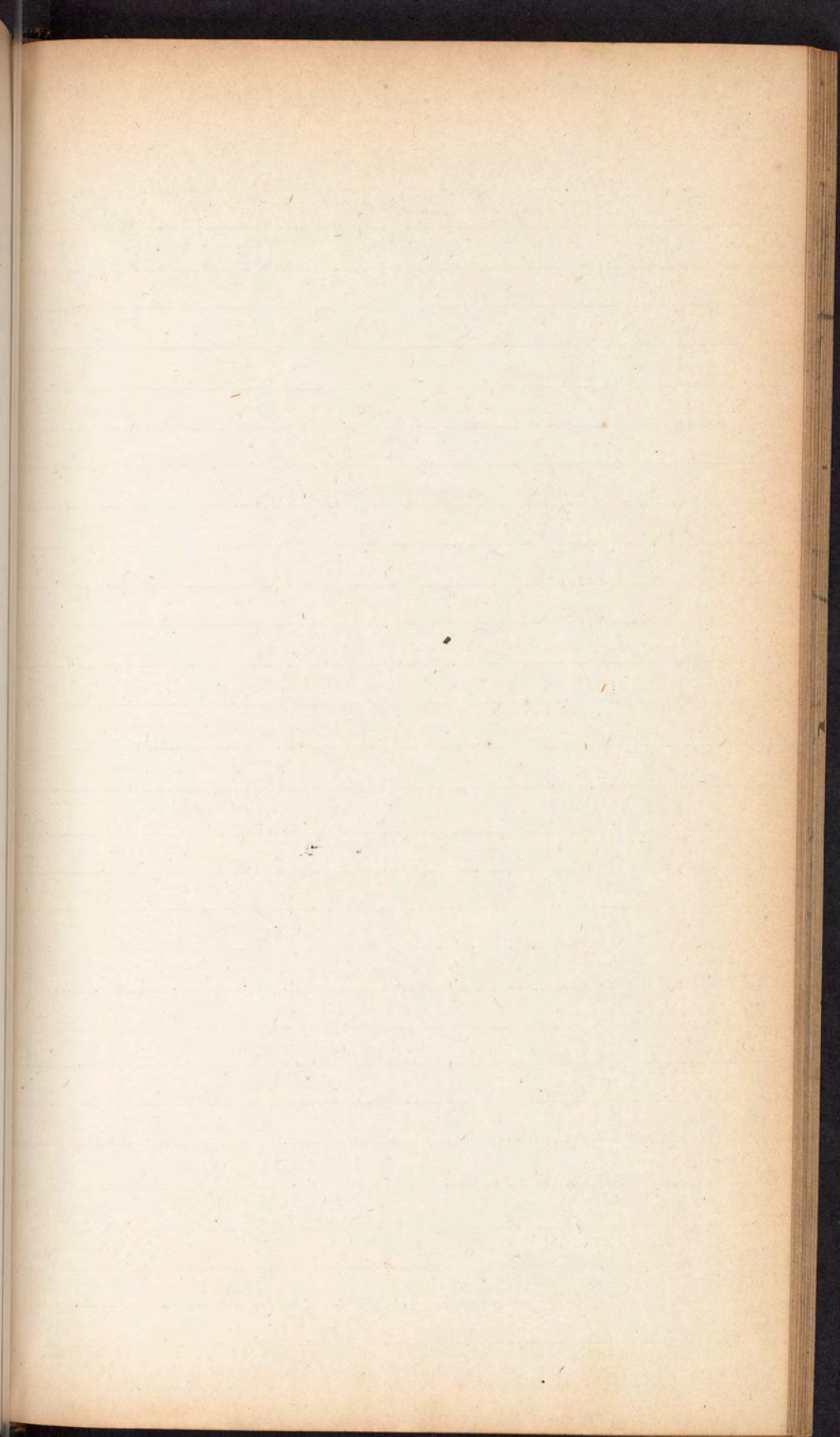
Diagnosis.

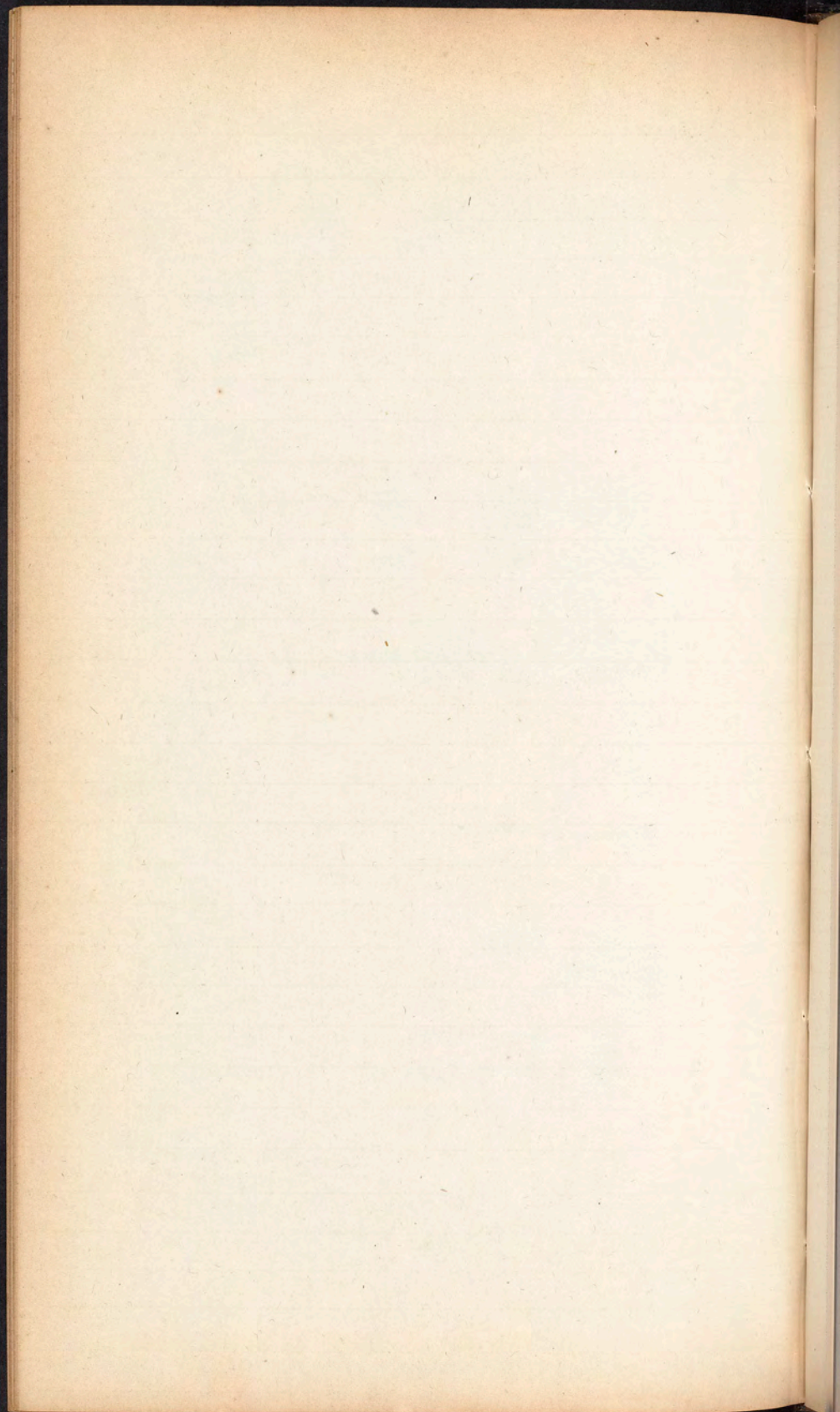
Prognosis.

Treatment.









1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

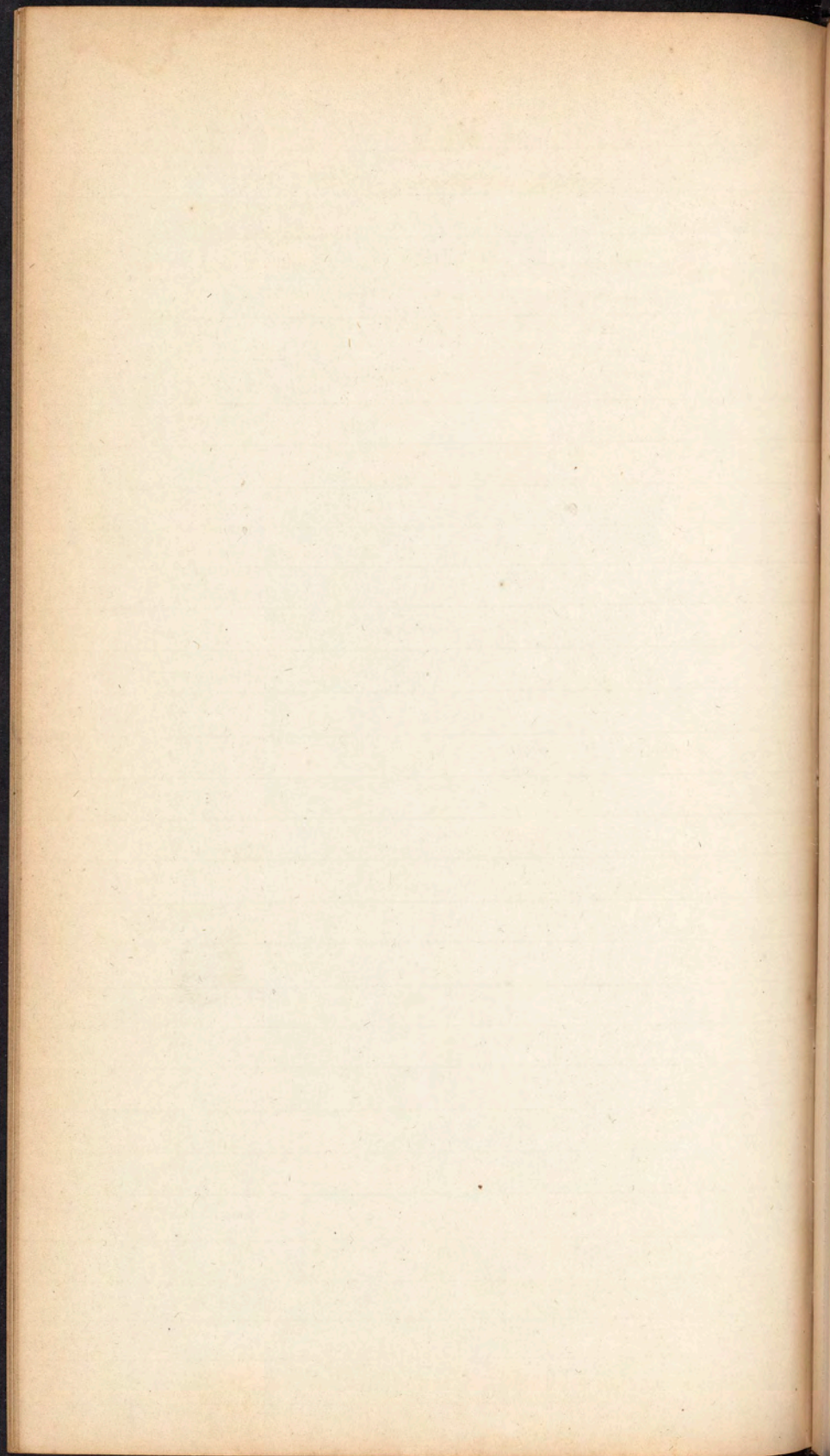
1881

1882

1883

1884

1885



ABSCCESS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FISTULA LACHRYMALIS.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PERMANENT OBSTRUCTION OF THE NASAL DUCT.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

CONGENITAL DEFICIENCY OF THE NASAL DUCT.

Operation for its relief—(see Berard.)

XIV. MALIGNANT DISEASES OF THE EYE.

FUNGOUS EXCRESCENCES.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

CARCINOMA OF THE EYE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FUNGUS HEMATODES OF THE EYE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

MELANOSIS OF THE EYE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

XV. EXTIRPATION OF THE EYE.

Mode of performing the operation.

XVI. INTRODUCTION OF AN ARTIFICIAL EYE.

Preparation of the eye.

Mode of placing it.

XVII. ANALOGOUS DEGENERATIONS OF THE EYE.

OSSIFICATIONS AND CALCULOUS CONCRETIONS.

XVIII. ENTOZOOA IN THE EYES.

Kinds usually met with.

Symptoms produced by their presence.

Effect upon the eyes.

Treatment.

XIX. DISEASES OF THE ORBIT.

WOUNDS.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FRACTURES OF THE BONES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FOREIGN BODIES LODGED IN THE ORBIT.

Symptoms.

Prognosis.

Treatment.

INFLAMMATION OF THE CELLULAR TEXTURE OF THE ORBIT.

Causes.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Results.

Treatment.

TUMOURS IN THE ORBIT.

Various kinds.

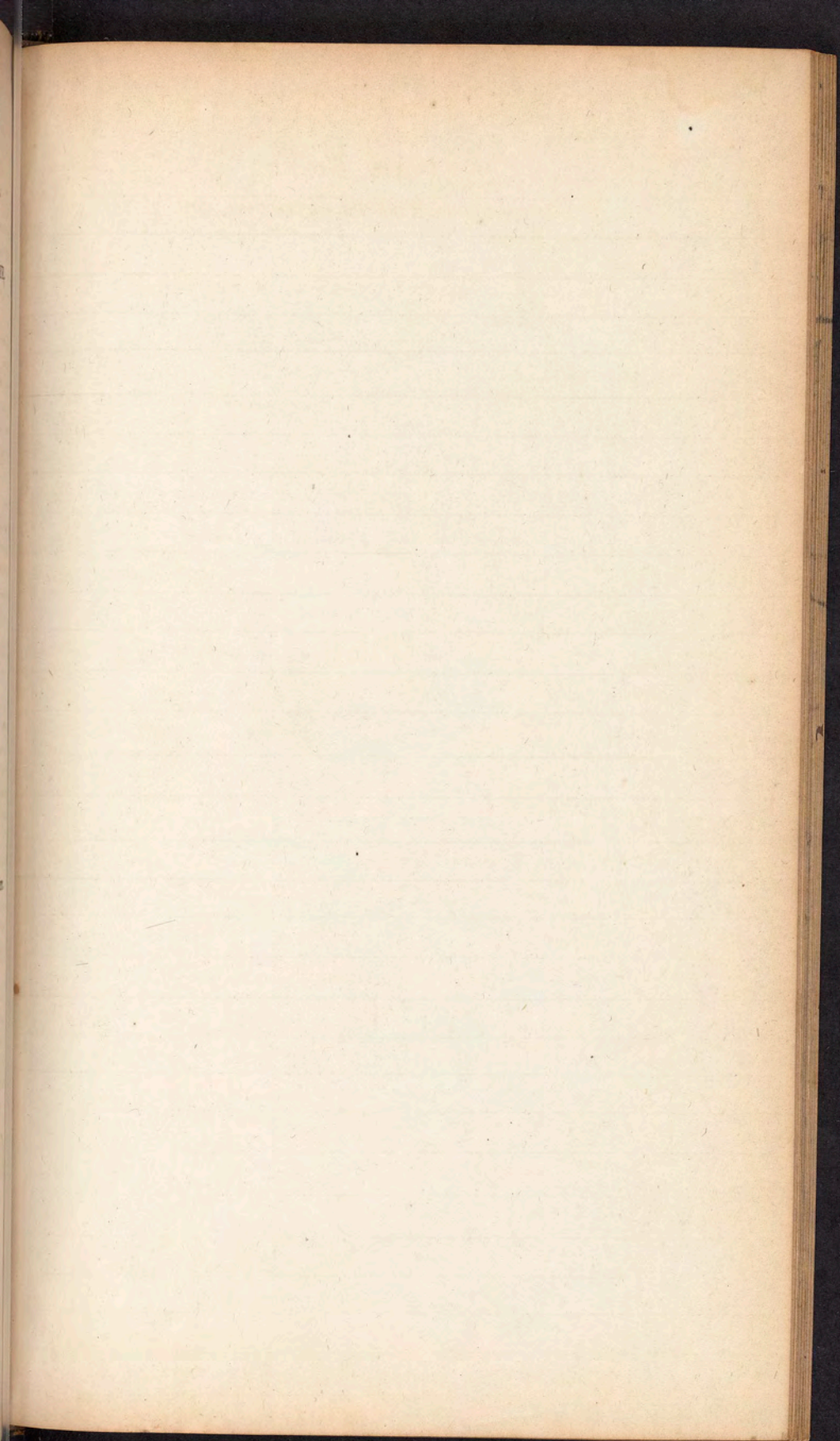
Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.



THE HISTORY OF THE UNITED STATES

OF THE

AMERICAN PEOPLE

FROM 1776 TO 1876

BY

JOHN P. HARRIS

OF THE

NEW YORK

NEW YORK

NEW YORK

NEW YORK

NEW YORK

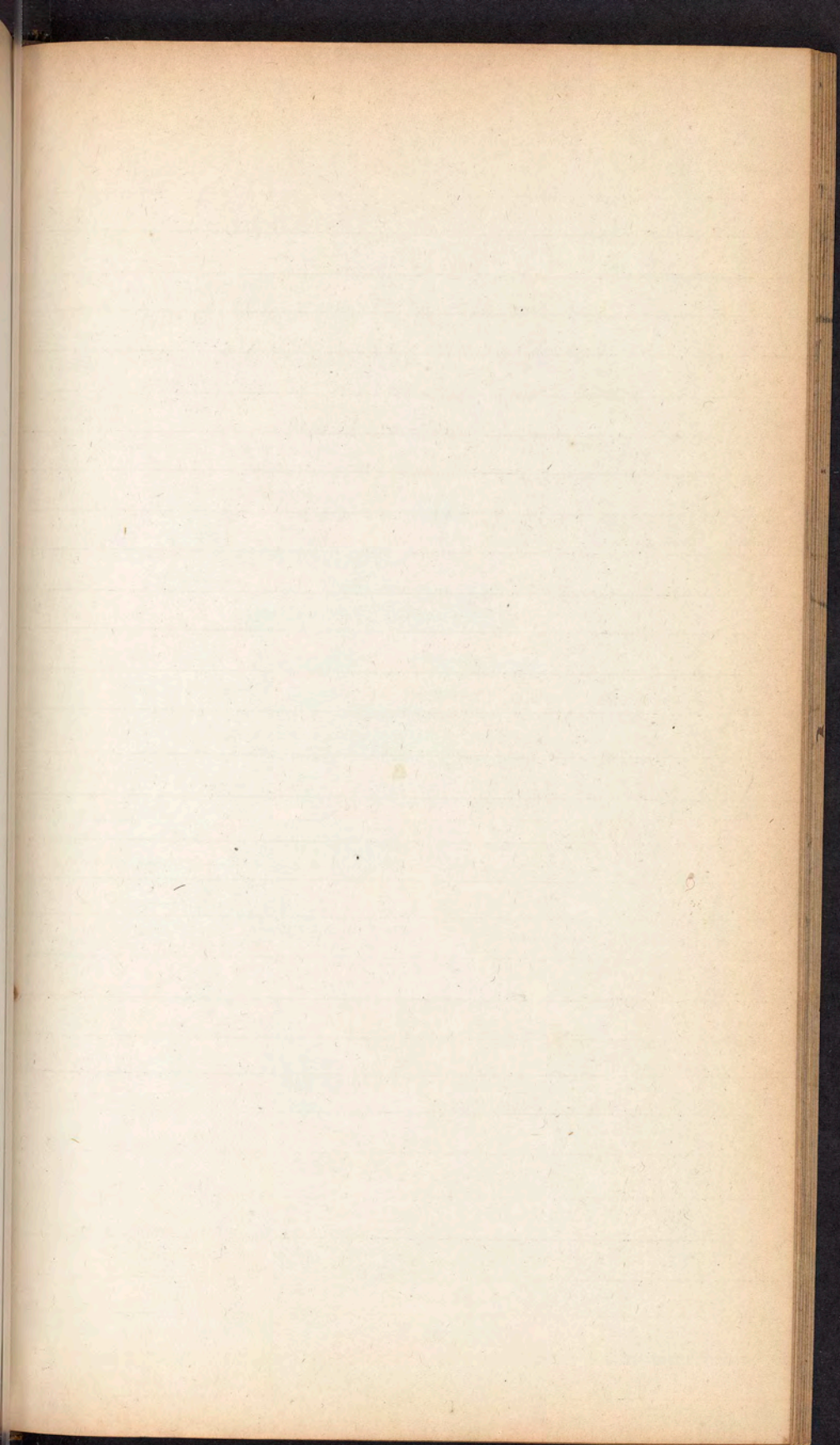
NEW YORK

NEW YORK

NEW YORK

NEW YORK

NEW YORK



THE HISTORY OF THE

The first part of the history of the

The second part of the history of the

THE HISTORY OF THE

THE HISTORY OF THE

The third part of the history of the

The fourth part of the history of the

The fifth part of the history of the

THE HISTORY OF THE

The sixth part of the history of the

The seventh part of the history of the

The eighth part of the history of the

The ninth part of the history of the

IV. DISEASES OF THE EAR.

Anatomy of the Ear.—Divided into external, middle, and internal ear. The external ear consists of the auricle, and the meatus auditorius externus. The middle ear consists of the tympanum and its appendages, namely, the membrana tympani; the four ossicula auditus with their ligaments and muscles; the eustachian tube; and the mastoid cells.

The internal ear, or labyrinth, as it is termed, from its complexity of organization, is divided into bony and membranous labyrinth—the bony is subdivided into vestibule, three semicircular canals, and the cochlea—the membranous labyrinth is found within the semicircular canals and the vestibule and contains the thin serous fluid called liquor cotunnii.

MALFORMATIONS OF THE EAR.

MALFORMATIONS OF THE AURICLE.

Cases most frequently met with.—1. Deficiency of helix, and sometimes its division from the lobus. 2. An entire absence of the lobus—its division by a slit into an anterior and posterior portion—or its attachment wholly or partially to the integuments of the side of the head. 3. The tragus and anti-tragus are sometimes united, or inverted so as to partially close the opening of the meatus. 4. The total absence of the auricle. 5. An enormous enlargement of the auricle.

Causes.—1. Congenital. 2. Acquired, from wounds, bites, ulceration, sloughing—an increase in size is often the result of manipulation, or of the dress stretching the part.

Effect upon sense of hearing.

Treatment.—By artificial ear, by removal of overlapping portion, by dilatation.

MALFORMATIONS OF MEATUS AUDITORIUS EXTERNUS.

Most frequent varieties.—1. A very narrow canal. 2. An unusual shortness of canal. 3. A total absence of canal. 4. A closure of the canal at birth by a slimy caseous matter. 5. A closure of the orifice by the integument stretching across it and being attached to its margin; or by a membrane in any part of the canal; by a contraction in the cartilage, or by undue ossification of the bony part of the tube.

Causes.—Mostly congenital—sometimes acquired.

Effect upon hearing.

Examination of meatus externus.

Prognosis.—Modified by cause.

Treatment.—Varies with the case.

MALFORMATIONS OF THE MIDDLE EAR.

Importance.—Most of them are attended with deafness, and the cause is generally not to be removed.

Most frequent variations.—1. The cavity has been found much smaller than usual. 2. The cavity has been inordinately large. 3. The outer wall has been ossified—in fact a bony plate has occupied the place of the membrana tympani. 4. The ossiculæ auditus are often varied in their conformation, thus one or more of them may be too small or too large or deficient in ossification, or ossified together, or altogether wanting. Supernumerary bones have also been found. 5. The tympanum has been found filled with a soft white matter resembling inspissated albumen; also with a scrofulous deposit. 6. The eustachian tube may be wholly or partially obliterated.

Causes.—1. Constitutional. 2. Acquired.

Diagnosis.—An examination will teach the condition of the membrana tympani. Catheterizing and injection of air will teach the condition of the eustachian tube.

Prognosis.—Only favorable in partial obliteration of the eustachian tube.

Treatment.—Varies with the kind and cause.

MALFORMATIONS OF THE INTERNAL EAR.

Various malformations of the labyrinth have been noticed—it has been entirely wanting—it has been deficient in ossification—change in quantity and consistence of the liquor cotunnii has also been observed.

Such deficiencies are of course beyond the reach of art.

WOUNDS OF AURICLE.

Usual varieties.—Incised, lacerated, contused.

Treatment.—Differs in no respect from that for similar injuries in other parts; bearing in mind the deformity resulting from the loss of even a small portion, union is always to be attempted.

PARTICULAR DISEASES.

OTITIS.

Definition.—Generic term, implying general disease of the whole organ.

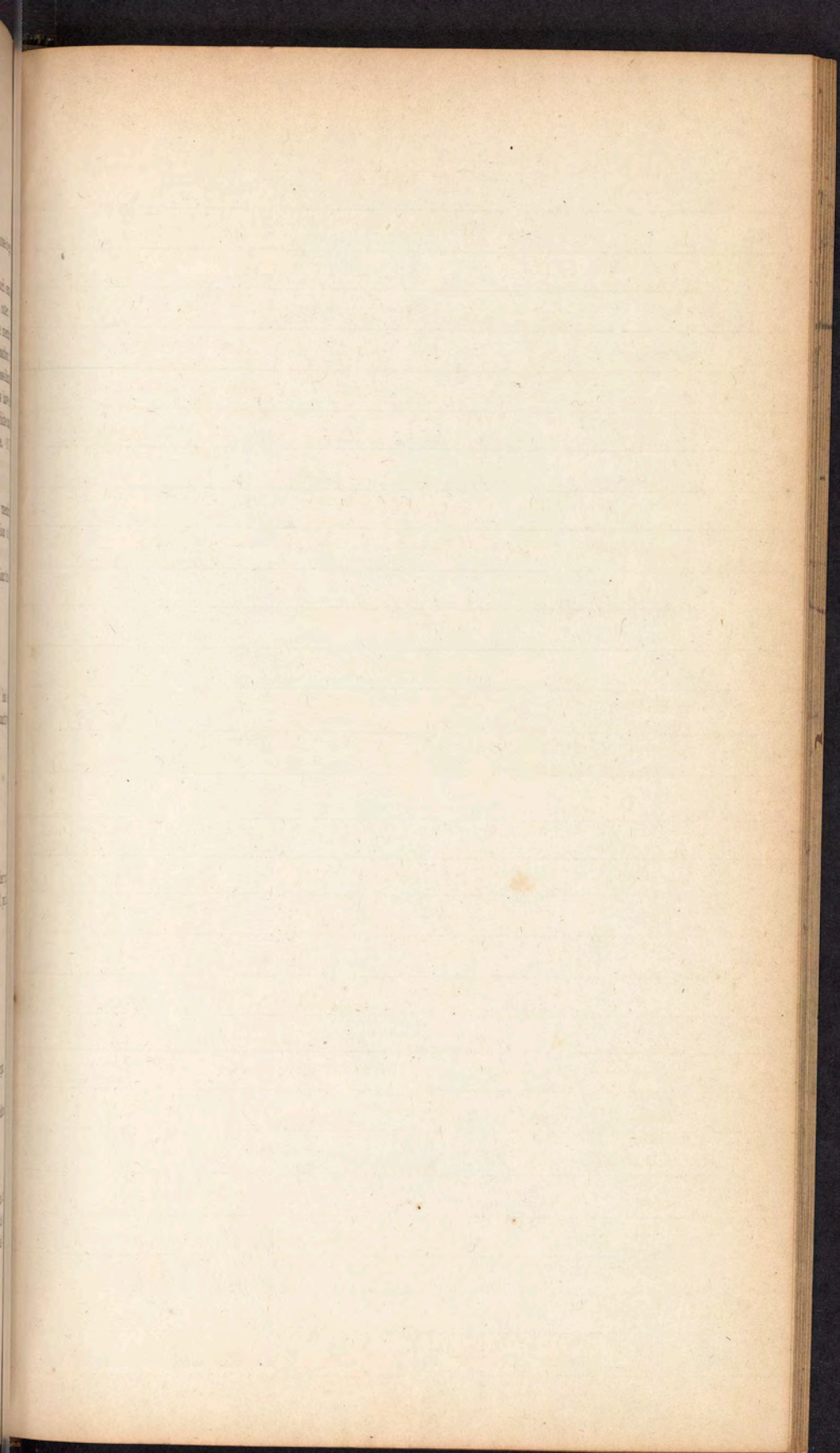
Division of—Acute, chronic, external, internal.

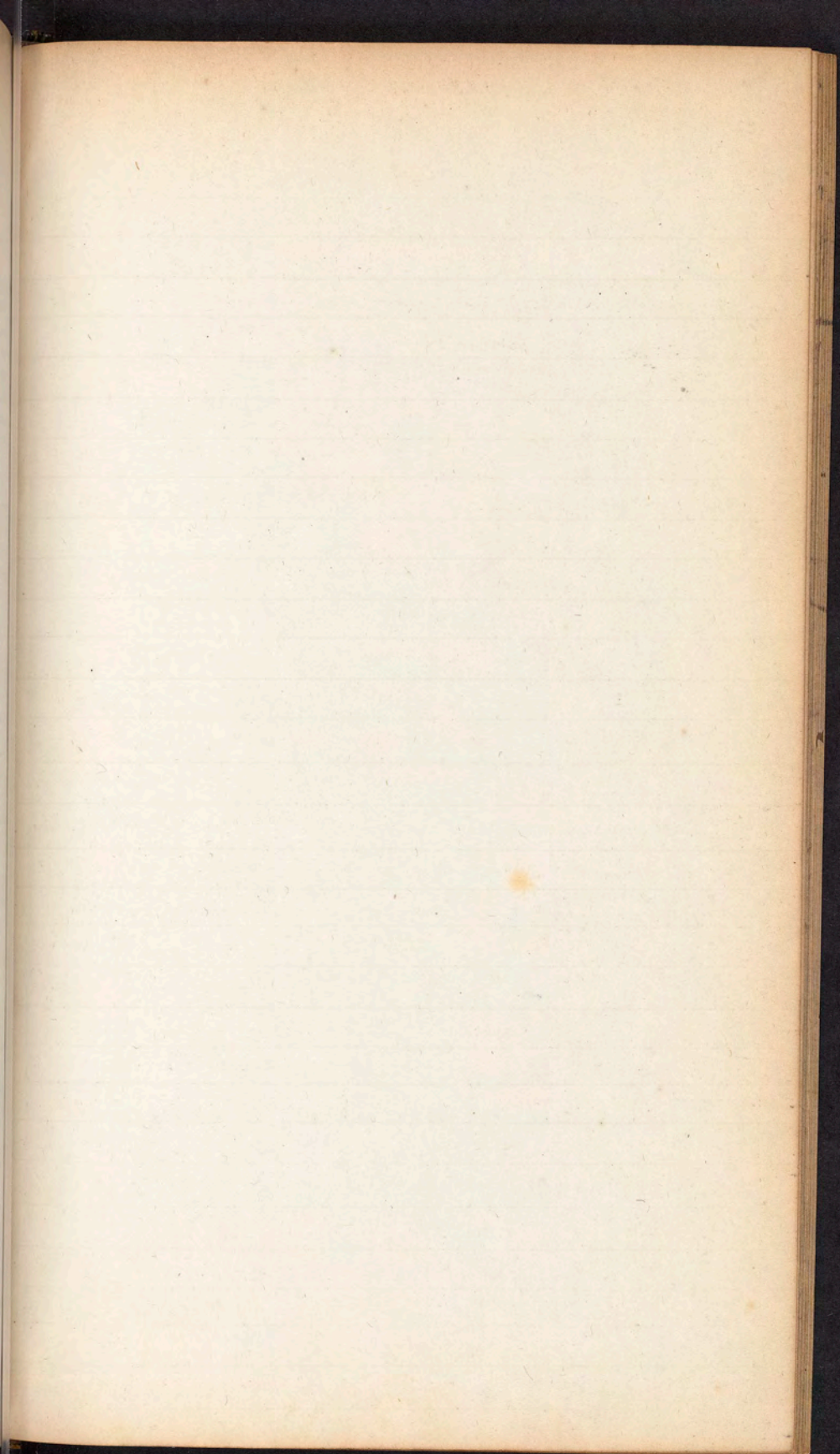
External includes inflammation of the auricle, and of the meatus auditorius externus.

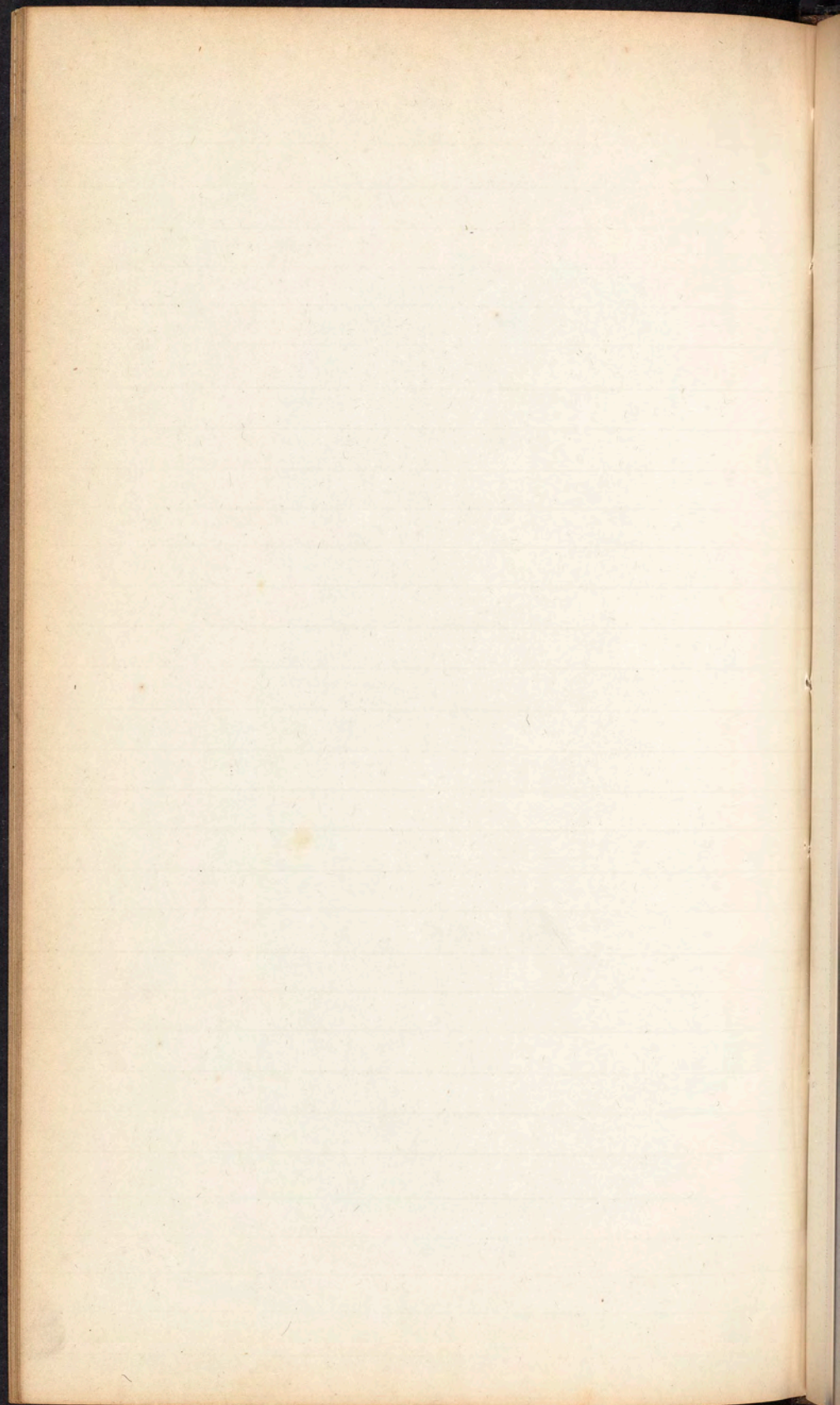
Internal includes inflammation of the tympanum and labyrinth.

Causes.—1. Exciting. 2. Predisposing.

Symptoms and consequences.—As acute inflammation seldom attacks the entire organ at the same time, or from the same cause, these vary according to the structure of the part inflamed, and will be described under the heads of diseases of particular parts.







THE
[Faint, illegible text block]

[Faint, illegible text block]

[Faint, illegible text block]

In order pass formed in middle ear to pt
out of middle ear either perforate
Membrane Tympani or forms a
Cannula in side of parietal Bone.
and along side of Tympanum

ACUTE EXTERNAL OTITIS.

Seat.—Sometimes commences simultaneously in the auricle and meatus—more frequently it extends from the auricle to the canal—it however is sometimes limited to the meatus.

Most frequent forms.—Erysipelas, erythema, in short, all the inflammatory actions, either common or peculiar, which affect the cutaneous system.

Causes.

Symptoms.—Vary with the form.

Consequences.

Diagnosis.

Prognosis.—Favorable.

Treatment.—1. Local. 2. General.

ACUTE INTERNAL OTITIS.

INFLAMMATION OF TYMPANUM AND LABYRINTH.

Forms.—Primary. Consecutive.

Seat.—Mucous lining membrane at first, then extending to cellular tissue, to periosteum and to the bone itself.

Causes.—Exciting. Predisposing.

Symptoms.—Agree with those of external otitis, differing only in consequence of their much greater severity, and of the circumstances of the matter formed not finding a ready outlet.

Consequences.

Diagnosis.—May be confounded with external otitis, with meningitis or phrenitis.

Prognosis.—Grave—as troublesome otorrhœa may result—the ossicula may be lost—the membrana tympani or the mastoid cells may be perforated—permanent closure of the eustachian tube may result—or phrenitis, meningitis, and death may follow.

Treatment.

CHRONIC OTITIS.

DIVISION—INTO EXTERNAL AND INTERNAL.

External is divided into that of the auricle and that of the auditory meatus.

Chronic Inflammation of the auditory meatus includes—

- 1st. Erythema of meatus with diminished secretion.
- 2d. Inflammation of dermal membrane with inordinate secretion.
- 3d. Polypus, fungus, and vegetations of auditory canal.
- 4th. Sinus of meatus.
- 5th. Inordinate ceruminous secretion.
- 6th. Aphthæ or herpetic ulcerations of lining membrane of meatus.

CHRONIC INFLAMMATION OF THE AURICLE.

*Definition.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Treatment.*—Local and constitutional, as the local affection is often maintained by general derangement of the health.

CHRONIC INFLAMMATION OF MEATUS AUDITORIUS EXTERNUS.

ERYTHEMATIC CHRONIC DISEASES OF THE MEATUS.

Synonyme —l'Otite chronique seche. (Roche.)*Causes.*—General derangements of health.*Symptoms.*—Uneasiness, slight pain, itching, dry sensation, difficulty of hearing, tinnitus aurium.*Diagnosis.*—Tube unusually dry—wax in small quantity—most frequently a vitiated secretion of a white or yellowish scaly matter.*Prognosis.*—Favorable.*Treatment.*—Attention to general health—tonics—counter irritants—astringents.

II. CHRONIC INFLAMMATION OF DERMAL MEMBRANE WITH INORDINATE SECRETION.

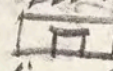
Synonymes.—Humid chronic external otitis, (Roche,) mucous or catarrhal otorrhœa. (Itard and Andral.)*Frequency of occurrence.*—Very frequent.*Age most liable.*—Childhood—sometimes occurs in old age.*Causes.*—Acute inflammation—irritation of dentition—metastasis of gout, gonorrhœa, and mucous ophthalmia—presence of a foreign body.*Symptoms.*—Usually mild—uneasiness—audition slightly diminished—profuse discharge either serous, mucous, or puriform, or mixed.*Diagnosis.**Prognosis.**Treatment.*—Removal of the cause—improvement of general health—cautious use of astringents.

III. POLYPUS, FUNGUS, AND VEGETATIONS OF AUDITORY CANAL.

Difference between them.—Polypus is oval or round, attached by a single root, usually regular in its shape and firm in consistence. Fungus is a mass of exuberant granulations, soft and vascular, irregular in its shape and attachments, and always attended with free discharge. Vegetations consist of numerous small diseased growths, sometimes soft and fungoid, at others, firm and conical, and attended with slight discharge.

Fractures From page 44

b. direct force only - d. great deformity
f. easy - h. always set - have use
of masseter muscle, binding of jaw
also binding of vaccination muscle
to set it introduce thumb in cheek
and pressing up and inward, of big
arch pulled down in temporal
temporal fossa little deformity -
will give great pain, by pressure
on muscle, endeavor by taking
hold of piece and pull it up - by
making an opening below seat
of injury. Superior Maxillary
generally have it occurring in
lower portion, always force directly
applied. dentist oc. treat. I doubt
more than that of zygoma - when
there is a large portion of bone torn
away - irregularity of dental
arch and crepitas - on finger
hooked in mouth - where alveolar
process is broken - set is easy
pushed back and keep it by
compress - lower jaw as a
splint - when no teeth use
cork coated with white wax
put in - at symph - or
between symph and angle - on
both sides separating chin
wholly or coronoid

each having peculiar symp
1st on one side of sym - no
displace - on both sides
great displace owing to the
degenerative and other causes
of having it in drawing a
forth. Sym - When
the inf. dent. for m. a. a. a. a. a.
intense, some of less displace
and in irreg. - cusp. it is immovable
that. Model fragment and
apply apparatus. Take
a bit of pasteboard  and
fold so as to make Chin Cup -
when upper jaw fract also
this won't do - but use a
long cup carrying over the
upper jaw - Large cup - put
it, fit to Chin take 4 tail band
put over chin and tie on top of
head and taking ^{me over} the
occiput - and tie it 1st to the
clipping. Ray Barton - a
compress to pass from chin
to trachea a roller over occip
apical to frontal go down
turn under chin go back
to occiput then over the chin
horizontally

Coronoid Process, force direct
or spason - swelling - little or
no displac. Diagnosis -
pain - obscure crepitus - on
moving lower jaw - Rub the
temp muscle just if cant
make out diagnosis put
in case and treat as pain

Condyl - when taken down
forward and makes an
artificial lump and depress -
and gyna - no creps - insain
motion and pain - Simple
drawing wont answer -

Treat - Take Compress fold
pink lower part - and inter
pose cylinder - and then use
roller 1/2 4 yards. By
grasp or blood, as soon as done
all ways have displacement
when draw out Treat simply
when drawn in - danger

2nd great difficulty of locating
coming on in med - feel and
push with fall into cavity -
suppuration - from edema -
prob even dangerously guarded
what does this take hold of tongue
thrust down as far as possible
button up glottis and on draw
to push bag out - don't leave

bag - pass in Tenaculum -
and pull out. If bag out
no difficulty.

Improved Bartilage
Bag - easy - but great danger
of suffocation - pry out
depressed portion of

Sternum - Often broken by force
directly applied or by muscular
contract - May be longitudinal
transverse & when transverse may
have fragments driven in and
lower one dragged out - diagnosis
easy - Ind in fracture is to keep
ends together in same plane and
look out for inflam - if Comp
fracture pick out pieces and
reat - to place the bag - bendy
patient across a cylinder
in order to stretch abdominal
muscles - Direct patient ~~to be~~
to lie in same position for some
days - to keep bag in situ
two compresses as fulcrum. If
can get up this way cut the
integ-skip under a smooth
piece of sled &c and lift -

Ribs - By direct force of center
of rib or on extremity. The bag
are driven in by force directly
apply if cannot and then

broken the bones will be driven out
ten times as much danger when pieces
are driven in. Symptoms - Cough
pain crepitation nearly always
more or less swelling - long breath more
pain - Sometimes Diagnosis difficult
as when man fleshy - or far back Sape
surgery then when these Symptoms
are found always treat as fracture
when surgical abs. broken generally
have shortening of ribs - Location
simple - surround - chest bed when
low dist bc - when do place our
plaster compress over seat of injury
when driven in use compresses to
prevent. If compound always Comp
to with Emphysema known by lack of
absence of any acute pain - puncture
skin squeeze out all gas then Set
fracture and apply roller. Be very careful
to get out - ~~Emphysema~~ - when lung
wounded have hemorrhage - if proper
stop it by all hemostatic agent if
small beneficial - Air will get
through the lung into chest and
almost suffocating - Some times
not so - then let it be - if dangerous
let out with trocar - Another
complication - ~~pneumothorax~~ - ~~then~~
when bandage is compressing
thorax - Place sheath of paste-board
and bind over this -

Clavicle, Force direct frag down
in when Counter Stroke driven out
diagnosis sometimes difficult
Symp - the weight of arm displaces
the out fragment - the Cent of pelv
mules and limb drawn against
chest - And also lengthened -
goes also downwards inwards and
forwards - to contend against
and in sitting must carry up
in. The arm is generally found across
chest and bones overlapping
Psoas - as to cure easy but without
difficulty sometimes difficult -
Mind to Dressing and tighten every
day; treatment - and 3 - Delivered
Joy - 3, Major Hand Kerchief
1 - 3 - rollers - pad don't make
hard - Always - carry both arms
out to attach pad - begin axilla
sound side pass by circular
turn around body - to prevent
slip carry over shoulder, work
arm to discharge frag - flex arm
and only, then lay compress
on broken end, axilla of
sound side - carry roller
over shoulder and down arm
Repeating arm in. 3 roller. Axilla

Causes.—Chronic inflammation—local irritation from foreign bodies—injury to lining membrane by the ear-picker.

Symptoms.

Diagnosis.

Prognosis.—Favorable in polypus—not so favorable in fungus and vegetations.

Treatment.—By excision and caustics—by ligature—by extraction with forceps—by caustics alone.

IV. SINUS OF MEATUS.

Definition.

Causes.—An abscess external to the meatus—a diseased mastoid bone.

Symptoms.

Diagnosis.

Prognosis.—Unfavorable.

Treatment.—Modified by cause—palliative chiefly.

V. INORDINATE CERUMINOUS SECRETION.

Causes.—Acute or chronic inflammation of the meatus.

Symptoms.

Diagnosis.—May be confounded with almost any of the other diseases of the ear; a careful examination must decide.

Prognosis.—Favorable.

Treatment.—Allay any existing inflammation; remove any inspissated cerumen; apply some gentle stimulant. Dangers arising from incautious syringing.

VI. APTHÆ OR HERPETIC ULCERATIONS OF LINING MEMBRANE OF MEATUS.

Causes.—Chiefly constitutional.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Tonics, and alteratives for the general health; local alterative astringent injections.

FOREIGN BODIES IN THE MEATUS AUDITORIUS EXTERNUS.

Nature of these.—Round and smooth substances, as beans, peas, glass beads; sometimes insects of various kinds.

Origin of Insects.

Symptoms.—Those of chronic inflammation, occasioning an otorrhœa, where the cause continues to operate for any length of time.

Treatment.—Removal of the cause will sometimes alone be sufficient; solid substances may be removed by the forceps or by forcible syringing with warm water; insects may be removed by a few drops of oil, or of infusion of tobacco, &c. &c.

Dangers arising from force applied for the extraction of foreign bodies.

INTERNAL CHRONIC OTITIS.

CHRONIC INFLAMMATION OF MEMBRANA TYMPANI.

Causes.

Effects.—Ulceration; perforation; complete destruction.

Mode of inspection and examination.—By speculum; by forcible expiration; by sounding and by the otoscope.

Symptoms.

Diagnosis.—May be confounded with disease of meatus, or of tympanic cavity.

Prognosis.—Unfavorable to audition.

Treatment.

CHRONIC INFLAMMATION OF TYMPANUM.

Forms.—Primary. Consecutive.

Seat of disease.—Mucous membrane; frequently extending to the cellular tissue, and onwards to periosteum and bone.

Causes.

Effects.—Perforation of membrana tympani; loss of ossicula; abscess of mastoid cells; caries of petrous bone; effusion of pus under dura mater or between the cerebral membranes.

Symptoms.

Diagnosis.—May be confounded with other inflammatory diseases of internal ear, with meningitis or phrenitis.

Prognosis.—Unfavorable.

Treatment.—Modified antiphlogistic; injections of mild fluids through the eustachian tube.

RELAXATION OF MEMBRANA TYMPANI.

Definition.

Varieties.—1. From want of tone in the membrane. 2. Paralysis of the internal muscles of the malleus. 3. Rupture of the same muscle.

Causes of each.

Symptoms.

Diagnosis.

Prognosis.—Of first two, favorable; of the last, unfavorable.

Treatment.—Dry warm tonic applications; tonic and astringent injections.

CARTILAGINOUS AND OSSEOUS CONDITION OF MEMBRANA TYMPANI.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—By perforation.

History of operation.—First proposed by Cheselden; proposed and performed by Sir Astley Cooper in cases of obliteration of eustachian tube.

round side over shoulder
be acting as a sling keeping
should up. Not much used
1 \pm most uncomfortable a very
troublesome - not safe because
loose - 3 - in warm weather very
uncomfortable - in female Compress
on arm may gland - Land Ren
folded - drag - pass around
and tie under ax - 3 - roller
have another round - tie around
neck - Fox appar - plane
X Scapula - are commonly
met with portions more liable than
other the most from Acromion is most
liable it overhangs shoulder - and
the shoulder is prone to dislocate
the displacement being drawn
down by deltoid muscle the
flattening shoulder - the joint
movement known at once - facility
of displacement of acromion by elevation
of arm - will not be as strong
as exceedingly difficult to keep
pass in appose will have
against union heat to bring pass
together and to keep shoulder
up - don't put a pad in axilla
a piece of adhesive plaster and
fasten on elbow

2. apply pad between elbow and side to relax deltoid then sling scapula - at inferior angle give in comminuted, and in displacer great trouble - diagnos - by passing finger over a prominence and depression posteriorly, possibly 2nd. Keep bone at rest and paralyze the action of Serratus Anticus muscle - Seat in spl - compress ~~around~~ in front of fract and then keep arm in sling - for 8 weeks -

Coarcted Process - Spasmodic action or lacer is displace - dragged inwards and downwards - rarely have but ligament - union - must sling arm - before can set fracture - symptoms -

Arm drawn into chest - if put arm back can't move the humerus any more, no crepitus -

Seat - To overcome action of P.M. S.H. - L. and C.B. - make hand across chest - of sound side - may be broken in all prob -

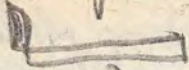
Spine - From direct force - Drag by moving bag - in Sup Inf direct - no displace - also is to put at rest D & Sup - S. must put arm in sling and surround chest with collar -

MCCL very rare some say not happen passing through C-notch - only from force direct - the arm becomes longer - a dep under Acromion - Shoulder flattened 3 symp - diagnosis take hold of humerus rotate when shorten arm and have crepitus. Look precisely like

luxation - Psoas - Fav - Ind to Rep Elbow
up - don't put a pad in axilla

Treat put arm and fore arm in sling
and surrounding whole arm with transverse
bandage - XI Humerus 1. Head - By direct
and penture - Simple fracture from blow etc - When
patient, fleshy sometimes diff diag more from size
of S - On - 2 from no displace or very little
manifested by excessive pain and swelling
rotate the humerus and pain increases if
diag - Observe treat as fracture - Joint will
in prob have alteration of shape of head of
bone - or interstitial abss - save by this proc
may recover without a bad result - Impact
fracture may occur by fall on humerus - here
have no deformity except shoulder is full
by crushing of fibres of deltoid muscle - Diag
Short of humerus or comp - with found
no acromion - deep seated pain. Treat Best
to allow arm to heal in shortened position as
effort to keep moved produces too much irritation
Anst - Gunshot wounds in which
head of bone looking up - Old surgeon recommends
in every case Anst - not so - put away
Sprilla Rep arm steady elbow washed
suppuration - have plank a deposit bare
flesh joint - passive motion - lig union
at end 8 weeks on - If cons Rmk comp
sep of head from Epap - Young subject
diag - very difficult from force direct
Ind - Should be around no supstition
Diag - one comp - no displace. in front
of shoulder a prominence, elbow
drawn back bring elbow forward

and prominence disappear. Great great
diff to procure union as cartilage unit
miles - then an angular splint to stop dis
of head of bone inward

 padded
pass band over shoulder and under elbow
get well generally from 6 to 10 weeks

Anatomical Neck - Cut distinguish from
other fracture of bone - Treat Same -

Surgical - Neck. Simple fract - of neck
above insertion of latissimus dorsi. and P. H. -

upper frag is turned out - tumor axilla -
crippled, should flattened, shortened arm -

te. Ind. - to Bone; upper frag down and
Keep out - lower vice versa - Bag - often

Compound with one above and D. H. - and
not in surgical neck - Having to contend

with rotator muscles and abductor -
Dessault app. - most frequently applied

and 3 short splints - and common pad
in axilla - reverser pad when lower

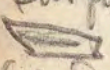
frag - out - don't use pad - since the
pad is a moveable point slipping

backward or forward - accord to
Dessault - pad und. ax cross

string on shoulder - the pad coming
down only $\frac{2}{3}$ way elbow will constantly

move - Use L ang splint
with upper end pad - try - to get

firm support in axilla and no
rotund. When fract in shaft - plane

surgical with D. and 3 short sp - 2
 one for inside and 1 for out - and

6 or 8 yards $2\frac{1}{2}$ in wide - begin at
flex downward across

in reaching elbow came out - go up above
seat of pact - 1st pass this - 2nd put on
short splint - pad each end of splint
to prevent excoriation - then attach
short splint to arm - don't let condyle
press upon pad but cushion - 2nd roller
to attach rectangular splint - now put
thing from 6 to 8 weeks for bone to unite parts
after 4th weeks stretch band or wire splint
unless compound pact - don't use wire

Middle Shaft - Drag - By bending ends
on each other - arm drag not best thing if
occurring in nutritious person - use same
dressing - Roller band & short splint &
splint - guard poof - when arm flex
with out moving 4 week have partige
or complete anchylosis - after 2nd week
passive motion up & down every week -

Lower third above condyles Drag
sometimes mistake for luxation, if
it will have deformity - Turn arm
toward behind short of forearm - and
flexion - put knee and take hold
of arm and forearm bend over knee
forearm, make extension and
count and if pact will set in
if lux - ~~app~~ no crepitation -
rotating arm have crep in joint
for above splint used do - pass
roller two wet an splint - place
splint inside and above, if then
much disposed to action of
triceps use back splint - chiefly
passive motion early

Fracture Cond Foret direct ^{mt}
solution may grow up and out in
snapping off of one of condyle
of both rare accident. Diag-
great pain take hold of bone and
if cond broken cut more it. if
swelling has taken place, cant tell I had
apply cold application keep down
inflamm - put on simple rect ang
splint - treat as fract - if limb
can set it - be careful in setting
if both cond and humerus
personal trick - take hold joint and
squeeze in Dec and have crep
and pain, flex and rotate arm
and pray with more. and to left.
Dec out of pressure and then
compress on condyle to prevent grow
back set ang splint, great dis
to Ankylosis, change angle up
splint - gradually so as to get
arm straight in 4 weeks and
then back by expiration of 8th week
to get to a right ang - r

Carpal Bones Simple fracture
very rare. Compound often happens - you
have stiffness of joint in simple ones. Sometimes
be retained in comp rarely - heal -
active ankyphlosis etc. simple Splint
2 no week passive motion lateral
and flexion and extension. Curved
splint much better to retain in situ
the portions

Dangers of operation—Wound of vascular lining of membrane giving rise to effusion of blood; injury to the chorda tympani, and to the malleus.

Mode of operation.—A simple puncture by trocar, Astley Cooper's operation; by caustic, Richerand's; by drilling with a quadrangular perforator, Buchanan's, Himle's, &c.

OBSTRUCTION OF EUSTACHIAN TUBE.

Forms.—1. Partial. 2. Complete.

Causes.—Inflammation, acute and chronic; extension from the throat of such diseases, as scarlatina, variola, syphilis, cynanche tonsillaris, enlarged tonsils, descent of nasal polypi.

Symptoms.

Diagnosis.—May be confounded with deafness from other causes.

Prognosis.—Favorable.

Treatment.—By reducing existing inflammation—by constitutional treatment, if the cause requires it—by dilatation, if stricture exists in the course of the tube.

MODE OF CATHETERIZING EUSTACHIAN TUBE.

Instruments used.

History of the operation.—First performed on himself by Guyot, a Post Master at Versailles, in the year 1700, revived by Itard, and materially improved.

Indications for its use.—1. An important means of diagnosis. 2. To remove mucous or blood from tympanic cavity or from eustachian tube. 3. To dilate a stricture. 4. To stimulate the nervous system of the ear.

Dangers of the operation.—1. Inflammation of throat, and catarrh of the tympanum. 2. Emphysema. 3. Rupture of membrana tympani. 4. Strangulation.

Mode of passing instrument.

Air press.

NERVOUS DISEASES OF THE EAR.

Arranged under two heads. 1. Disordered function of the acoustic nerve. 2. Disordered functions of the nerves of common sensibility and motion, or the tympanic nerves.

1. Disordered function of the acoustic nerve.

Division.—1. The excited or acute state. 2. The torpid or chronic state.

ACUTE STATE.

Causes.—From local affection—sometimes sympathetic with general health, or some disorder of brain, stomach, bowels, or uterus—from over use of organ.

Symptoms.—Tinnitus aurium, deafness, an annoying pulsation synchronous with the heart.

Diagnosis.

Prognosis.

Treatment.—The removal of the cause, administration of tonics, alteratives, counter irritants.

I. TORPID FUNCTIONAL DERANGEMENT.

Age most liable.—Old age.

Causes.—Over excitement of organ; severe constitutional disorder, &c.

Symptoms.

Diagnosis.—May be assisted by the absence of disease in the external and middle ear, by a want of perception of sounds when the cranial bones are thrown into vibration by a watch.

Prognosis.—Unfavorable.

Treatment.—Attention must first be paid to general health; various nervous excitants, as electricity and galvanism, may be tried. Application of ætherous vapour is recommended by Itard and Krahmer.

Mode of introducing vapour.

II. FUNCTIONAL DERANGEMENT OF TYMPANIC NERVES.

Synonym.—Otalgia or ear ache.

Causes.—The common causes of neuralgia; enlarged tonsils; any local disease in the vicinity; direct injury in sounding the membrana tympani; or eustachian tube.

Symptoms.

Diagnosis.

Prognosis.—Favorable.

Treatment.

FORMS OF DEAFNESS.

DEAFNESS.

Synonymes.—Surditas, cophosis.

Degrees.—1. That marked by impossibility of hearing at all, usually congenital and a cause of dumbness. 2. By power of distinguishing certain sounds, as the pronunciation of the vowels, whistling, &c.

Causes.—Mostly congenital, sometimes acquired. The congenital cases most frequently depend on morbid changes in the soft parts, in a small proportion of cases upon an anomaly in the structure of the solid parts.

Diagnosis.

Prognosis.—Unfavorable in congenital cases; more favorable in acquired cases.

Treatment.

HARDNESS OF HEARING.

Synonym.—Dysœcia.

Definition.—Where the faculty of hearing is so diminished that articulate sounds cannot be heard without the assistance of some particular apparatus.

Degrees.—1. Where the individual cannot hear a distant noise, and especially *high tones*, but can perceive articulated sounds when the voice is a good deal raised. 2. He hears and distinguishes both high and low tones, and also words, but only when the voice is somewhat raised.

Causes.—Either some alteration in that part of the organ which serves

One small hole in bottom to let water
drain out, in Compound remaining
quiet for two weeks. ~~ye~~ ^{cracks remain under treat} from 8 to 10
Metacarpal. infect or by nurse
Contrasture, transverse or oblique -
generally have compound fracture - may
have the palmar arches may be wound
have in this case, Transverse Anomalous
Diagnosis is very simple. Treat
to have comp and Roller Band
for external disp - for Int
different. Set the fract here and
putting compress in palm to press
disp and then binding the hand
down on splint - While palmar
arches are wounded, tie up arm
if can't control - by pressure with
compress on radial and ulnar art
treat always as simple fracture, never
open integ - to convert - in Compound
in Comp - close wound and treat

Fingers - Treat - Take narrow
roller and encase and reverse turns -
have irregular Comp - better use
striking plaster two rolls by spiral
turns one beginning at end of
finger and other at dist then
a narrow splint, and 3 rolls
of adhesive plaster -
Thumb. Always put splint on
back of thumb -

Sacrum From Direct force -

May have displace - If fact involve the
cavity. find him having flexed thigh
and leg - paralysis sometimes complete
intense pain on slight movement, with movement
of muscles as crepitus - press ^{and rectum} and pain - some
top paralysis of bladder - Prognosis - long

This paralysis may remain or may remain
for 8 weeks ten just as long as the sacral nerves
are compressed by bone may have abscess -
Treat. No use to replace, but parts at rest
surround the penis broad roller to knees
and put together and put down cat in
double incline plane keep on back for 10 days
then on back - and so on for 8 to 10 weeks
has no pain - makes no water and
rectum - Always use catheter - 2 daily
from 1st dressing, after 3 or 4 days evain the
rectum by syringe and common water - If
water remain draw out with syringe - Break
up mass with finger or spoon

Os Coxygis - Force direct or indirect
in position - Diagnosis more or less hyp
generally inwards may be out or lateral
pain intense - as every motion moves foot -
pass finger up rect - and rect - use same
dressing as in preceding part - an o
to knees and ankles - to keep frog in situ
don't pile up rectum with charcoal
Keep finger up ass for 56 hours

Hum by direct force - generally
may be ^{accomplished} ~~accomplished~~ ^{with ease} ~~accomplished~~
Body - easy - displace and creep
trussing - take hold of costa direct
at once - Treat same as the preceding
Spondyls - Treat - Small blunt
body breaks a small square
piece of bone and abdominal muscles
pull out of place as to costa
of Illium - to contend with displace
and resist of muscles - Drag - is
easy - push bag down after
flexing body apply handkerchief
under perineum - when fracture
are comp same treat -

Fracture Ant Sup Spermoid
process, Muscular contract -
rupture - as useless, Drag Depress
where should have prominence and
tumor in groin - Treat - Broad
roller - flex thigh at an acute
angle for three weeks - and
will be strong as before

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

...the ... of ...
...the ... of ...

THE ... OF THE ...

...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...
...the ... of ...

THE ... OF THE ...

...the ... of ...
...the ... of ...

as a conductor for the vibration of sound; or also an increased sensibility of the acoustic nerve.

Alterations of the conductive parts are of two kinds; 1. A total obliteration of the meatus auditorius externus; its imperforation, or complete absence. 2. A diseased condition of the tympanum, as inflammation of its lining membrane; caries of its parieties; and collections of blood, pus, or other fluid in its cavity.

Diagnosis.—Of some alteration of conducting parts, may be assisted by the patient only hearing when solid bodies are placed between his teeth, while his dull perception of sound does not appear to be less when the ear is covered. Of some disease of tympanum, by the history, or by marks of previous inflammation.

Prognosis.—Unfavorable.

Treatment.

ALTERATION OR DIMINUTION OF HEARING.

Synonym.—Paracusis.

Definition.—Where the faculty of hearing articulated sounds in the natural way is imperfect for want of precision.

Causes.—1. Alterations of the membrana tympani from congenital malformation, or from thickening, ossification, perforation, or laceration. 2. The lodgment of fluid in the tympanic cavity, as in some cases of obstruction of the eustachian tube, as in some new born infants. 3. Alterations in the membrane of the fenestra rotunda, such as its imperfect form, its erroneous situation, its thickened state, &c. 4. Depression, or excitement of nervous influence, the natural consequence of the patient's sensibility.

Diagnosis.

Prognosis.

Treatment.

V. INJURIES AND DISEASES OF THE NOSE.

WOUNDS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FRACTURES OF THE OSSA NASI.

See "Fractures."

EPISTAXIS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ACUTE INFLAMMATION OF THE SCHNEIDERIAN MEMBRANE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CHRONIC INFLAMMATION WITH THICKENING OF THE SCHNEIDERIAN MEMBRANE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABSCESS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CEDEMA OF THE SCHNEIDERIAN MEMBRANE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

OZENA.

Definition.

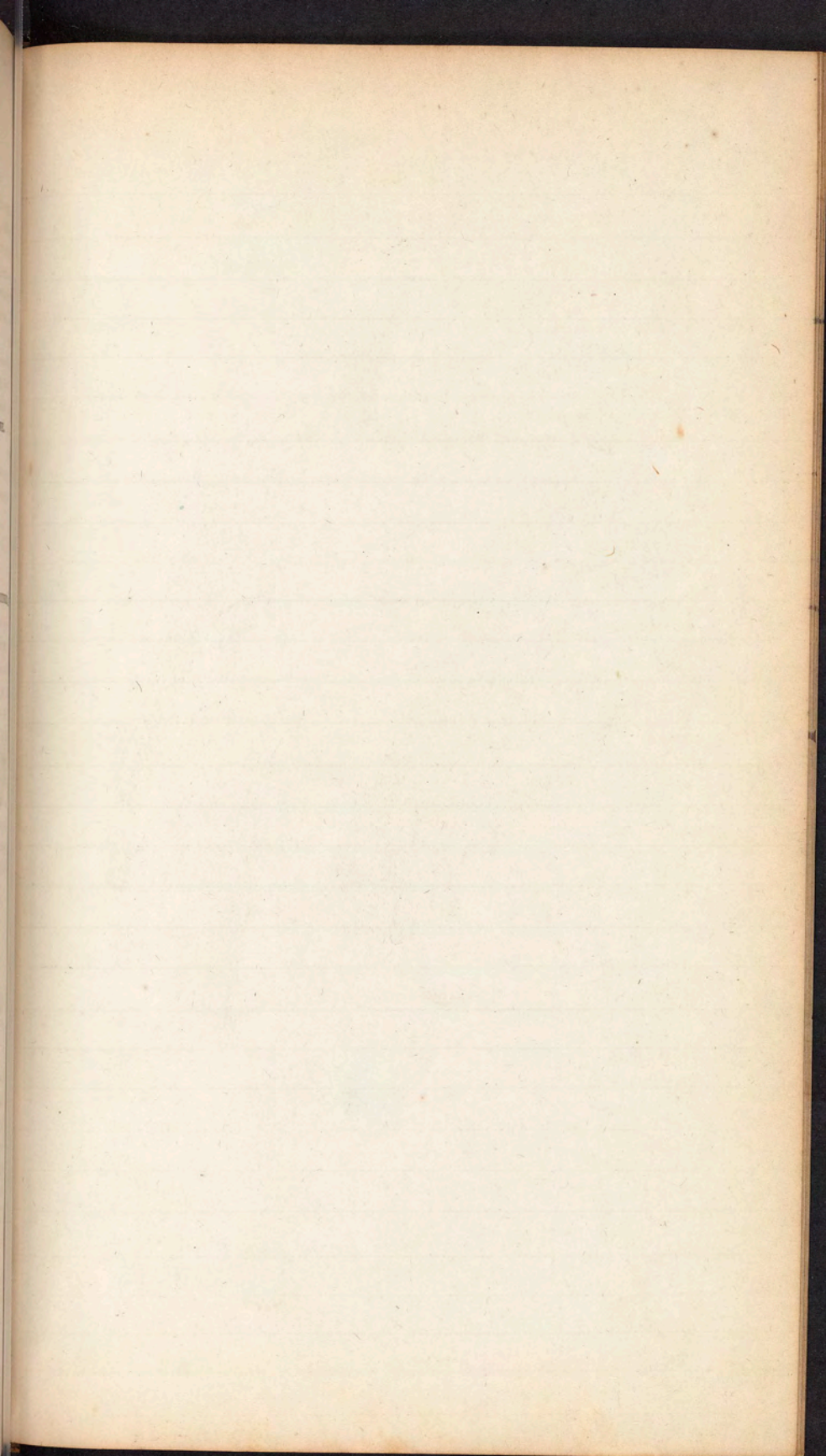
Causes.

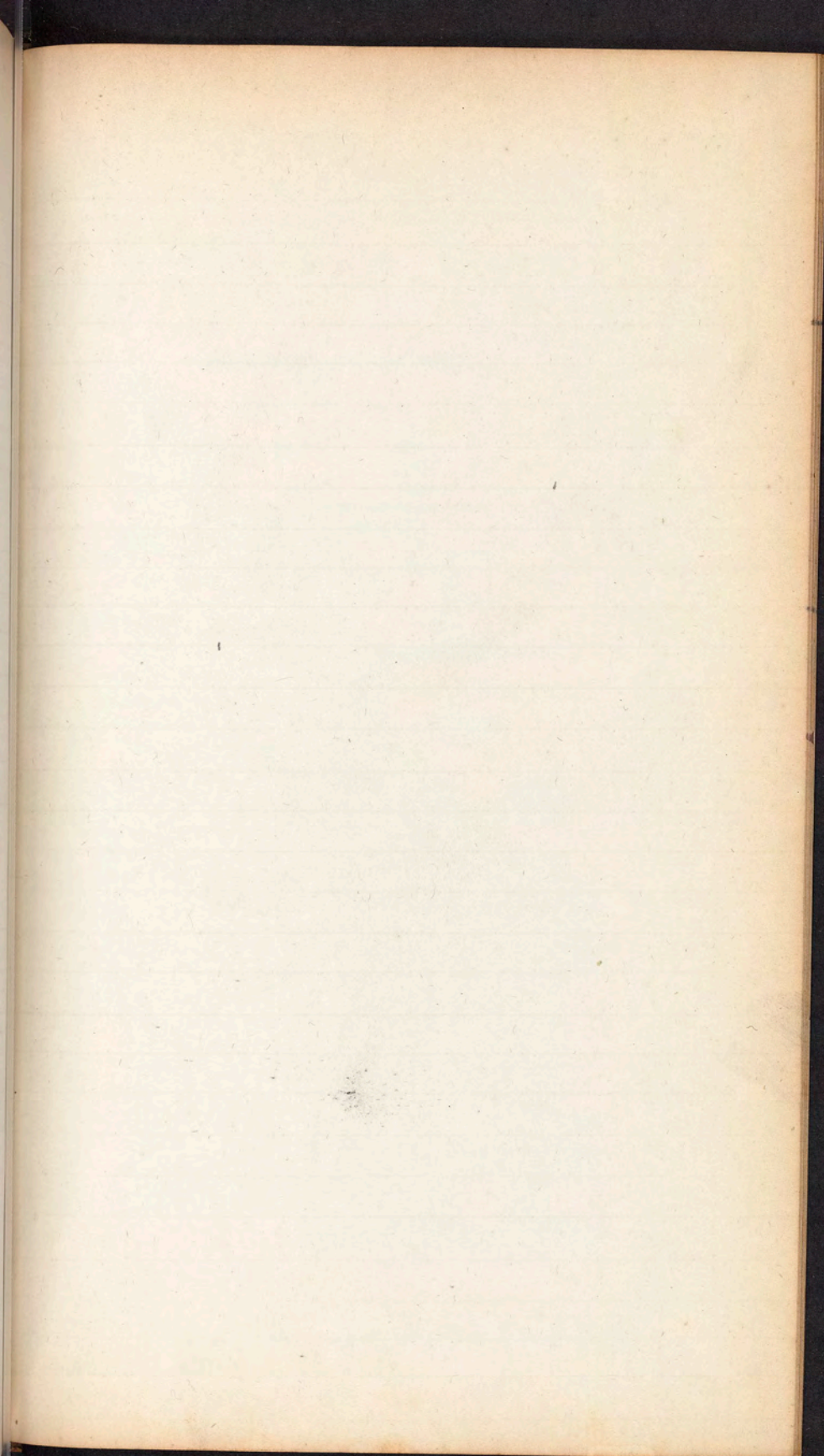
Symptoms.

Diagnosis.

Prognosis.

Treatment.





STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1900

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1901

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1902

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1903

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1904

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1905

STATEMENT OF THE BOARD OF DIRECTORS

For the year ending 31st December 1906

ULCERATION OF THE NASAL CARTILAGES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CARIES AND NECROSIS OF THE NASAL BONES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ENLARGEMENT OF THE INFERIOR TURBINATED BONE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

DEVIATION OF THE SEPTUM NARIUM.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

LODGE MENT OF FOREIGN BODIES IN THE NOSTRILS.

Nature of these bodies.

Mode of introduction.

Symptoms produced by their presence.

Diagnosis.

Prognosis.

Treatment.

FIBROUS TUMORS AND CYSTS OF THE NOSTRILS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

POLYPUS OF THE NOSE.

Definition.

Location.

Form.

Number.

Size.

Consistence.

Color.

Termination.

Division.—1. Nonmalignant. 2. Malignant.

1. Or nonmalignant.

a. The vesicular.

b. The gelatinous.

c. The fleshy.

d. The fibrous.

e. The hard.

2. Or malignant.

a. The cancerous.

b. The medullary or hæmatoid.

c. The schirrous.

Causes.—Of simple polypus.

General Symptoms.

Special Symptoms.—Each form is characterized by peculiar symptoms. State what these are.

Causes of malignant polypus.

Special symptoms in each variety.

Diagnosis of polypus tumour.—Has been confounded with a great variety of diseases, viz. enlarged turbinated bone; inclination of the septum; disease of the nasal bones; œdema of the mucous membrane; chronic inflammation; abscesses; ozæna; fibrous tumours of the nostrils; polypus of the antrum; hernia cerebri; foreign bodies in the nostril.

Prognosis.—Depends on the form of polypus.

Treatment.—Varies in the different species of polypus.

EXTERNAL POLYPUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

LIPOMA.

Definition.

Causes.

Diagnosis.

Prognosis.

Treatment.

*ulceration
of nose
submucous*

LOSS OF NOSTRIL OR THE ENTIRE NOSE.

See "Rhinoplastic operations."

1870

1. The first of the year was a very cold one, with a heavy snowfall on the 1st and 2nd inst.

2. The weather was very cold, with a heavy snowfall on the 3rd and 4th inst.

3. The weather was very cold, with a heavy snowfall on the 5th and 6th inst.

4. The weather was very cold, with a heavy snowfall on the 7th and 8th inst.

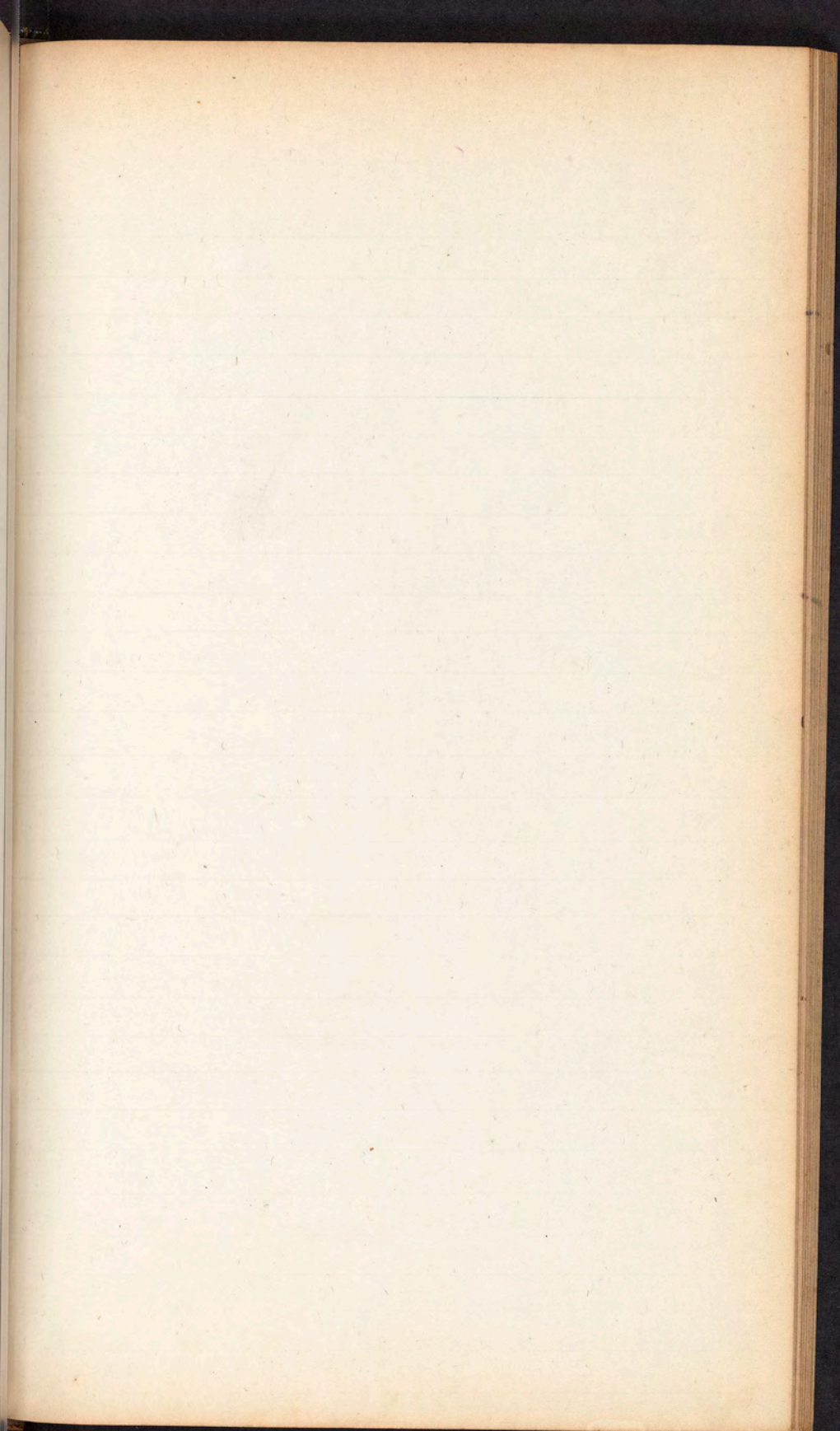
5. The weather was very cold, with a heavy snowfall on the 9th and 10th inst.

6. The weather was very cold, with a heavy snowfall on the 11th and 12th inst.

7. The weather was very cold, with a heavy snowfall on the 13th and 14th inst.

8. The weather was very cold, with a heavy snowfall on the 15th and 16th inst.

9. The weather was very cold, with a heavy snowfall on the 17th and 18th inst.



VI. INJURIES AND DISEASES OF THE CHEEKS

Stomatitis

Definition: Inflammation of the mouth.

Symptoms:

1. Pain.

2. Swelling.

3. Erythema.

4. Ulcers.

5. Discharge.

6. Foul odor.

7. Fever.

8. Loss of appetite.

9. Prostration.

10. Death.

Causes:

1. Local.

2. Systemic.

3. Trauma.

4. Burns.

5. Frostbite.

6. Infection.

7. Allergy.

8. Radiation.

9. Medication.

10. Nutrition.

11. Hygiene.

12. Environment.

13. Stress.

14. Anxiety.

15. Depression.

16. Fatigue.

17. Insomnia.

18. Poor diet.

19. Lack of exercise.

20. Smoking.

21. Alcohol.

22. Drugs.

23. Toxins.

24. Bacteria.

25. Fungi.

26. Parasites.

27. Viruses.

28. Protozoa.

29. Helminths.

30. Arthropods.

31. Molluscs.

32. Echinoderms.

33. Chordates.

34. Cephalopods.

35. Mammals.

36. Birds.

37. Reptiles.

38. Amphibians.

39. Fish.

40. Invertebrates.

1. *Ac. Dolorosa* - Neuralgia of parts of head & face
2. Injury to nerve from cut or blow, or from general ill health. or from *Parasitism*
cut nerve - other cases *patience*
or cut the *pericranium* & release
the *affection*

In *der cystic tumor* of skull to avoid
deformity speak from the *inside*

VI. INJURIES AND DISEASES OF THE CHEEKS.

WOUNDS.

Varieties.

Parts liable to be involved.

Symptoms.

Prognosis.

Treatment.

TIC DOLEREUX

1. Definition.

2. Causes.

Symptoms.

Prognosis.

Treatment.

SPASMODIC ACTION OF THE MUSCLES

Causes.

Symptoms.

Prognosis.

Treatment.

*From change of life in women & from
irritation of nerves*
*paralysis of strychnia &
acupuncture*

PARALYSIS OF THE CHEEK.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.—1. Constitutional. 2. Local.

1. Only required when the defect depends on a constitutional cause, and must be modified by the nature of this cause.

2. Or local.

a. Blisters.

b. Application of strychnia or veratria.

c. Electricity.

d. Acupuncture.

e. Excision of a portion of the cheek.

f. Section of the antagonising muscles. (Dieffenbach.)

TUMOURS OF THE CHEEK.

Varieties.

Mode of operating in each.

ULCERS OF THE CHEEK.

Division.—External and internal.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

MACULÆ.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

LOSS OF CHEEK.

See "Chieloplastic operations."

VII. INJURIES AND DISEASES OF THE JAWS.

FRACTURES.

See "Fractures."

LUXATIONS.

See "Luxations."

WOUNDS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

INFLAMMATION OF THE LINING MEMBRANE OF THE ANTRUM.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABSCESS OF THE ANTRUM.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ULCERATION OF LINING MEMBRANE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

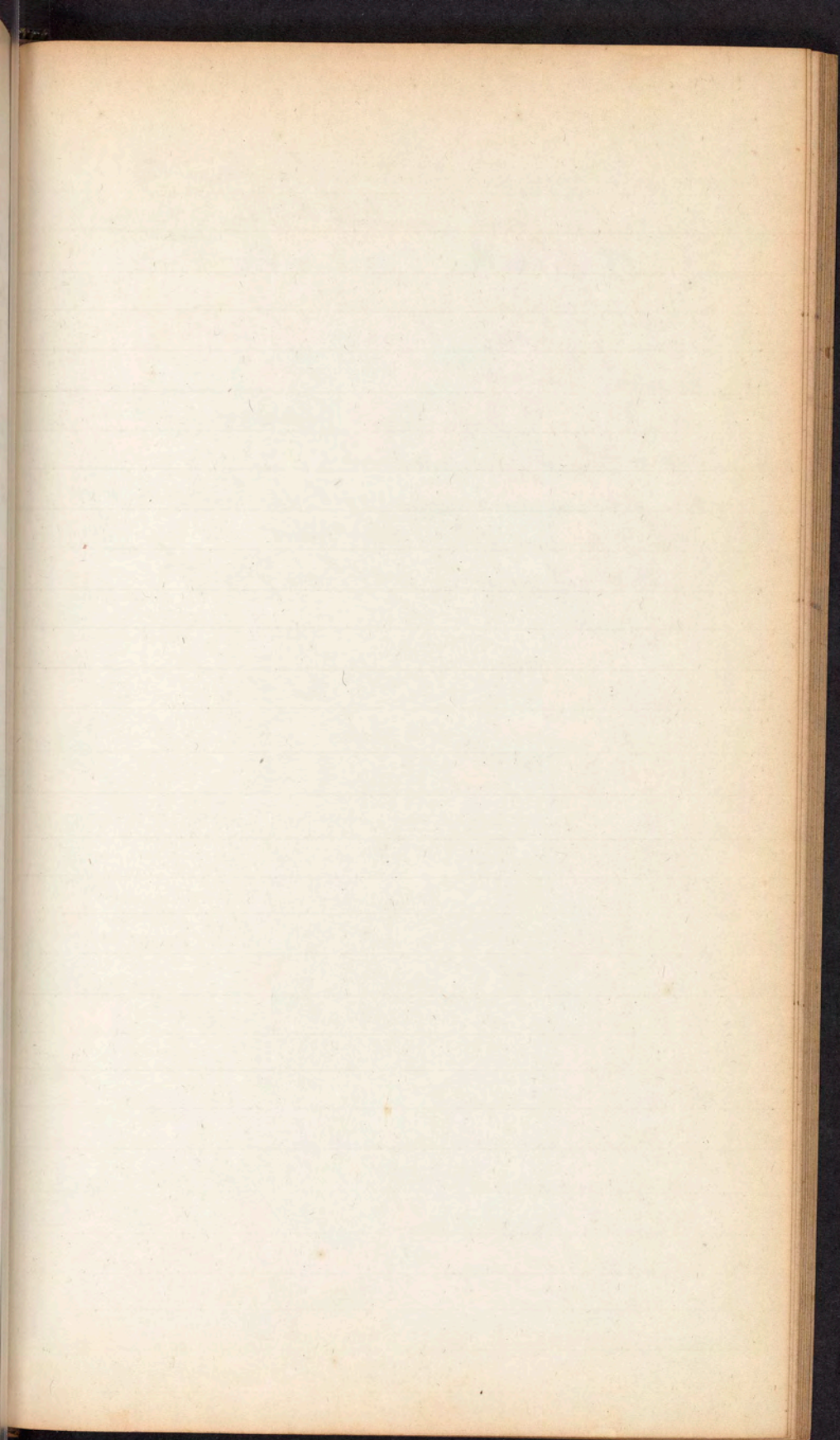
Macula - Compression by
Collusion in gum spots often
cures if small cut out if
large Tattooing with Carminate
of Lead.

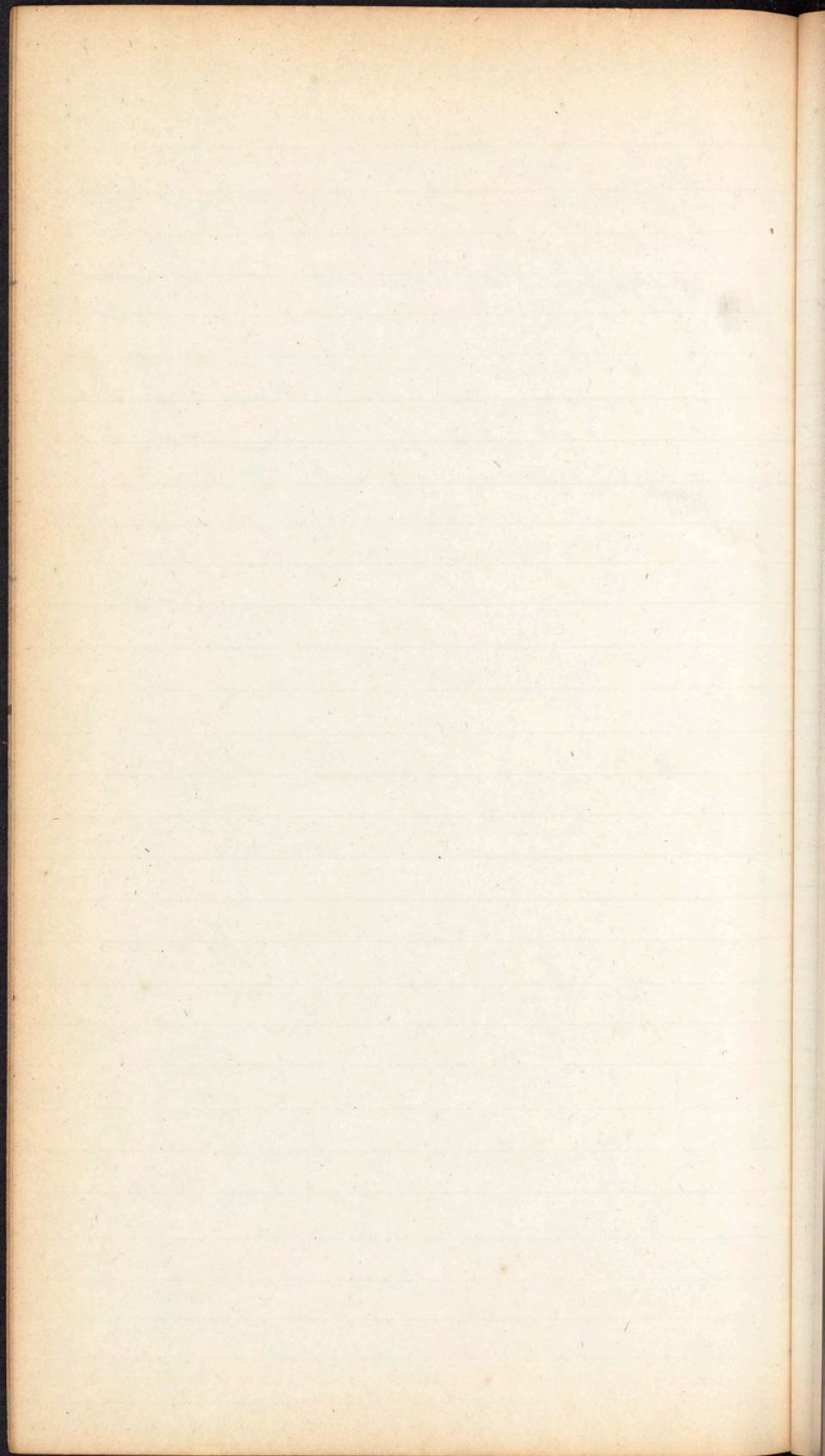
In Comp^d or crushed bones of
upper jaw dont pick away the
fragments let lower jaw serve
a splint

Inflⁿ of L. M. of Anterior Kneecap
pain & discharge of pus Antiphlog^{is}

In abscess open outside of upper jaw
below the Superior Maxillary sinus with
Iodo-car. & leave open several days to
draw out pus.

In Ulceration remove cause
no need of pulling out a tooth
unless it is a bad one





In Serous Cystic tumor perfectly
I insert a tent ~~until~~ & keep them
till all fluid is evacuated

In fibrous tumor of Antrum
Cut out tumor

Cut out Epithelial Cancer &
varieties of Lupus -

In fungous tumor of Antrum
if in early stage Medullary
Cancer. Remove upper part.

SERO-CYSTIC TUMOR OF ANTRUM.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FIBROUS TUMOUR OF ANTRUM.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FUNGUS TUMOUR OF ANTRUM.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

POLYPUS OF ANTRUM.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

BONY TUMOUR OF ANTRUM.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FOREIGN BODIES LODGED IN THE CAVITY OF THE ANTRUM.

Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

• OSTEO-SARCOMA OF UPPER JAW.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

OSTEO-SARCOMA OF LOWER JAW.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SPINA-VENTOSA OF LOWER JAW.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

EXOSTOSIS OF LOWER JAW.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ANCHYLOSIS OF LOWER JAW.

Varieties — True and false.

Causes of each.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

REMOVAL OF UPPER JAW.

Mode of operating.

REMOVAL OF LOWER JAW.

Mode of operating.

REMOVAL OF SYMPHYSIS OF LOWER JAW.

Mode of operating.

RESECTION OF DIFFERENT PORTIONS OF THESE BONES.

Mode of operating.

EPULIS.

Definition.

Varieties.

Causes.

Symptoms in each variety.

Diagnosis.

Prognosis.

Treatment.

Removal of upper jaw. Cut from Ext. angle
under orbit around cheek & don't strike
the pterio dura or paralysis Ensues.
then ~~don't~~ ^{cut} the Nose. & cut with ~~scissors~~ ^{wire} ^{in upper}
the Ear Angle. The Tympanic & up the
nose & pull out a tooth & cut them
with a chisel the points will fall
out.

Mitchell. Laryngitis - oedematous - effusion
into submucous cellular tissue - In young child
not knowing how to cough may close the
narrow orifice of the glottis and suffocate
Hence simple erythematous inflammation may
terminate in resolution or in effusion or
in thickening of submucous tissue -

Inspiration very difficult because
the pouches of glottis pushed down and
close the orifice in such a manner as
to impede the breathing expiration pushes
them away and hence it is pec - while
with a feather in order to get it out

This disease generally terminates favorably tho
generally the patient suffers severe inconvenience
from the sensitive condition of the parts.

Treatment - Oedematous cases may be
stopped - Leeches exercise peculiar influence
on mucous tissue hence preferable to more
stimulating pulsation Tait's Ant - Oedema
pediclavica Lax and headneck best
emetic Cupri Sulphur applied to throat
excellent - Ipecac & Xgrs Tait's Ant in

Calomel by emetic & purgation. Ind for
laxative and sedative effects - In Oedema
large dose Calomel Emets Caltharite
Remove the exudation which comes
about fingers by dipping fingers in
glycerine tea scarification

Chronic Laryngitis - Arising syphilitic in
subglottis resort to the means -

has been called by many different authors
may have tubercles in larynx, may lose
the voice, change of location will often entirely
remove the disease - Cursus short, dyspnoea,
dyspnoea, loss of voice, pain increased in
pressure - time of day and kind of meals
will alter the feelings of the patient -
duration and termination vary - Great caution
must be taken for the tubercular and cancerous
affections never recover - always permanent to
the cause of it if Syph, Scroph or Tubercular
and treat accordingly - Change of climate
counters irritation &c. Information of ~~the~~ ^{the}
adventitious membrane small doses of Calomel
very good - Inhalation of Chlorine -

[Faint, illegible handwriting on lined paper]

PARULIS.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

VIII. DISEASES OF THE SALIVARY APPARATUS.

I. DISEASES OF THE PAROTID GLAND AND ITS DUCT.

WOUNDS.

Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

INFLAMMATION OF THE GLAND.

Varieties.—Acute and chronic.
Causes.
Symptoms.
Prognosis.
Treatment.

ABSCESS OF THE GLAND.

Causes.
Symptoms.
Prognosis.
Treatment.

TUMOUR OF THE GLAND.

Varieties.
a. Fatty.
b. Melanotic.
c. Encysted.
d. Fibrous.
e. Simple hypertrophy.
f. Erectile.
g. Aneurismal.
h. Swelling from salivary concretion.
i. Schirrous.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.—In each variety.

TUMOURS OCCUPYING THE PAROTID SPACE.

*Varieties.**Causes.**Symptoms.**Diagnosis.**Prognosis.**Treatment.*

WOUNDS OF PAROTID DUCT.

*Varieties.**Symptoms.**Prognosis.**Treatment.*

FISTULA OF PAROTID DUCT.

*Varieties.**Causes.**Symptoms.**Prognosis.*

Treatment.—Four methods. 1. Cicatrization of the Fistulous orifice. 2. Dilatation of the inner portion of the duct. 3. The establishment of a new opening in the mouth, or forming a new portion of the canal, where the original has been destroyed. 4. Destruction of the parotid gland.

Agents employed under the 1st head—

a. Suture.*b.* Cauterization.*c.* Compression.*d.* Plastic operation.

Agents employed under the 2d head—

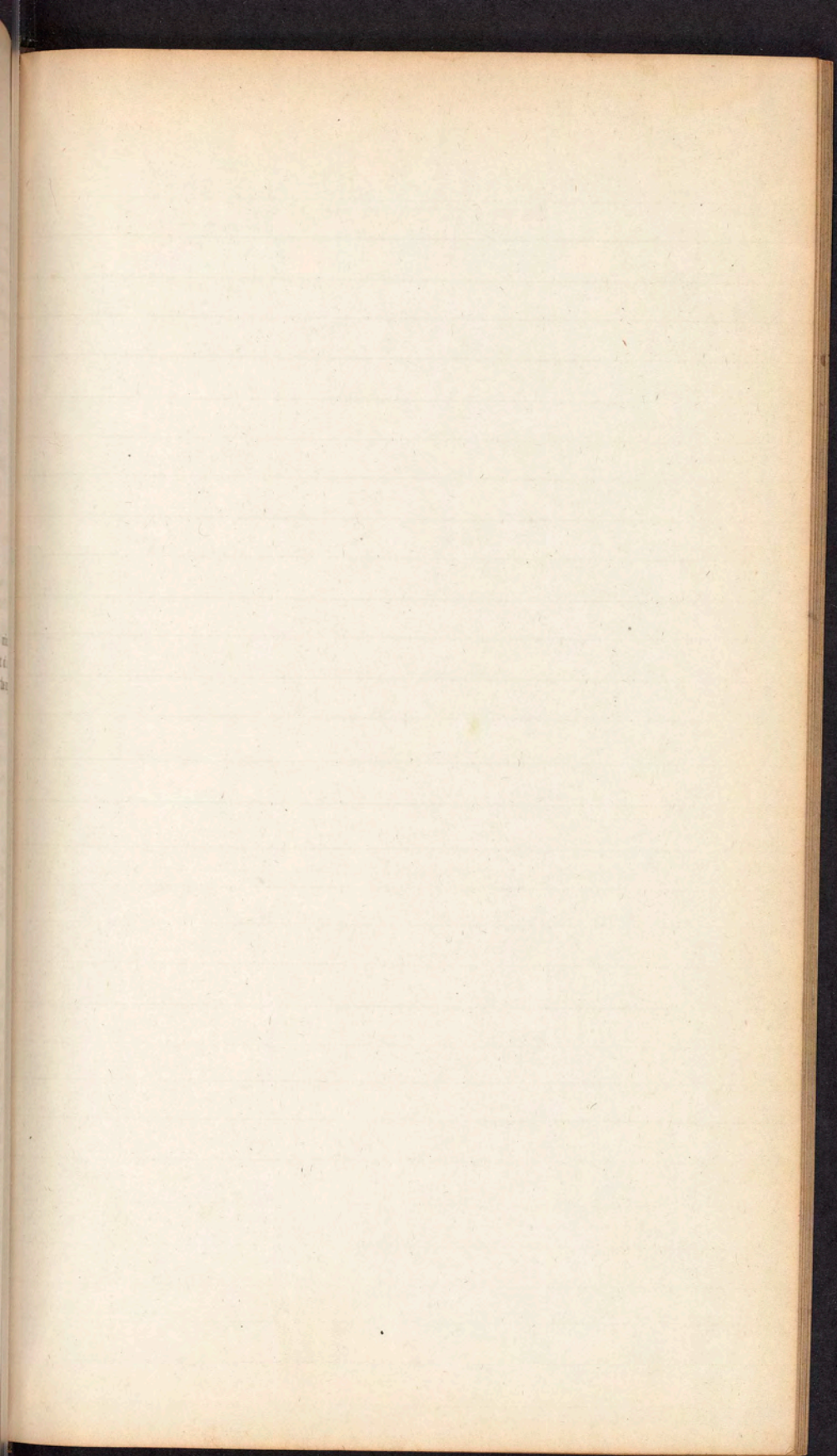
a. Seton.*b.* Probing.

Agents employed under the 3d head—

a. Operation of Deroy.*b.* “ “ Duphenix.*c.* “ “ Monro.*d.* “ “ Tessard and Flajani.*e.* “ “ Atti.*f.* “ “ Deguise.*g.* “ “ Bonnafons.*h.* “ “ J. Rhea Barton.*i.* “ “ Horner.

Agents employed under the 4th head—

a. Pressure on the duct.*b.* Ligature of duct.*c.* Pressure on the gland itself.



CHAPTER I. THE HISTORY OF THE

CHAPTER I.

CHAPTER I.

CHAPTER I.

CHAPTER I.

CHAPTER I.

CHAPTER I.

CHAPTER II. THE HISTORY OF THE

CHAPTER II.

CHAPTER II.

CHAPTER II.

CHAPTER II.

CHAPTER III. THE HISTORY OF THE

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

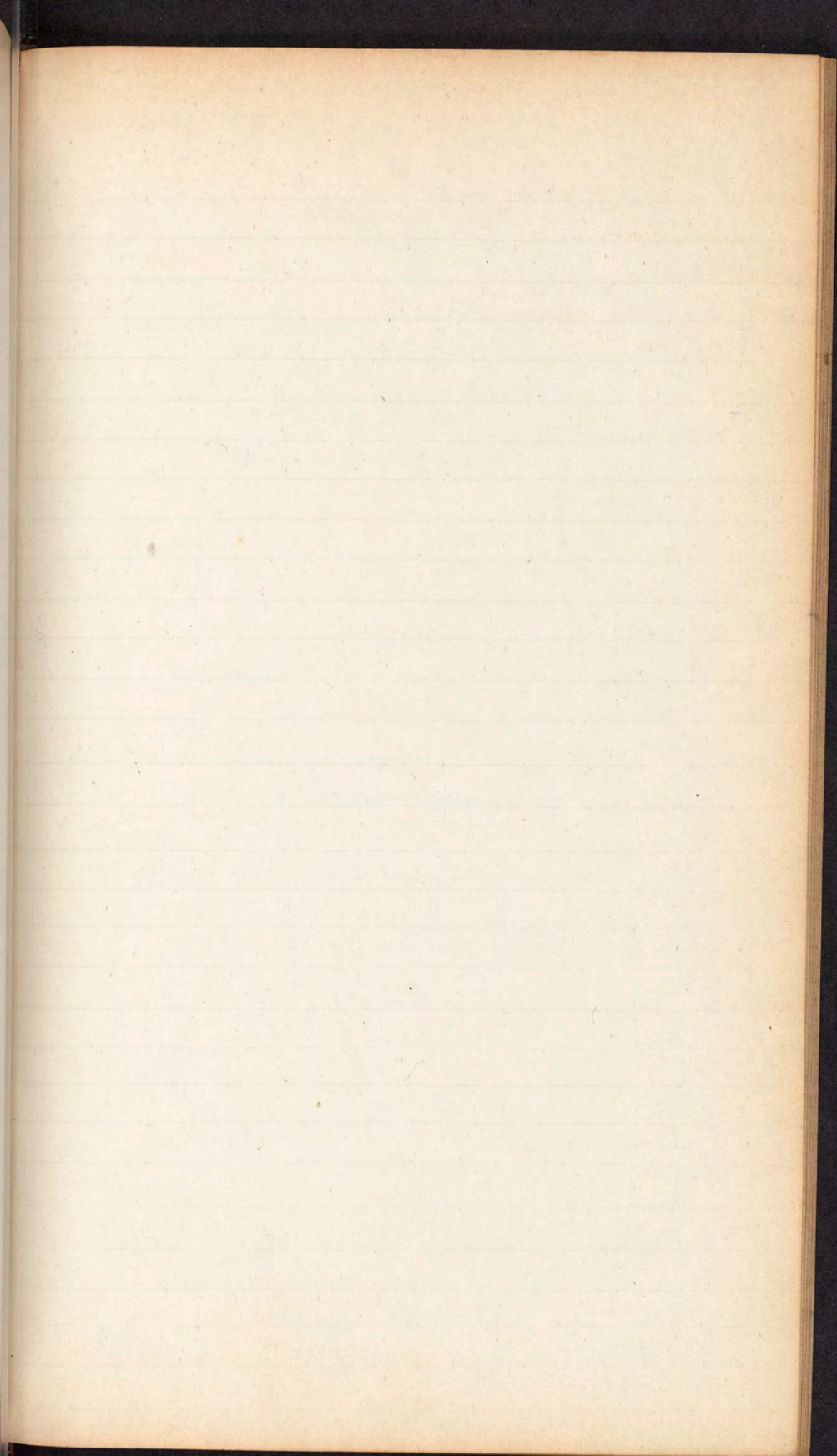
CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.

CHAPTER III.



DISEASES OF THE EYE

Causes.

Symptoms.

Prognosis.

Treatment.

A. Strabismus.

B. Exotropia.

C. Esotropia.

D. Oculomotor paralysis.

II. DISEASES OF THE NASAL CAVITY

Causes.

Symptoms.

Prognosis.

Treatment.

Causes.

Symptoms.

Prognosis.

Treatment.

III. DISEASES OF THE THROAT

Causes.

Symptoms.

Prognosis.

Treatment.

IV. DISEASES OF THE LARYNX

Causes.

Symptoms.

Prognosis.

Treatment.

Causes.

Symptoms.

Prognosis.

Treatment.

FISTULE OF PAROTID GLAND.

Varieties.—Two.

Causes.

Symptoms.

Prognosis.

Treatment.—*a.* Cauterization.

b. Suture.

c. Excision.

d. Blisters.

e. Gold leaf plaster of Malgaigne.

II. DISEASES OF THE SUB-MAXILLARY GLAND.

WOUNDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISTULA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ENLARGEMENT OF THE GLAND.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

III. DISEASES OF THE SUBLINGUAL GLAND.

WOUNDS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISTULA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

RANULA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ENLARGEMENTS OF THE GLAND.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SALIVARY CALCULUS.

Location.
Varieties.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

IX. DISEASES AND INJURIES OF THE MOUTH.

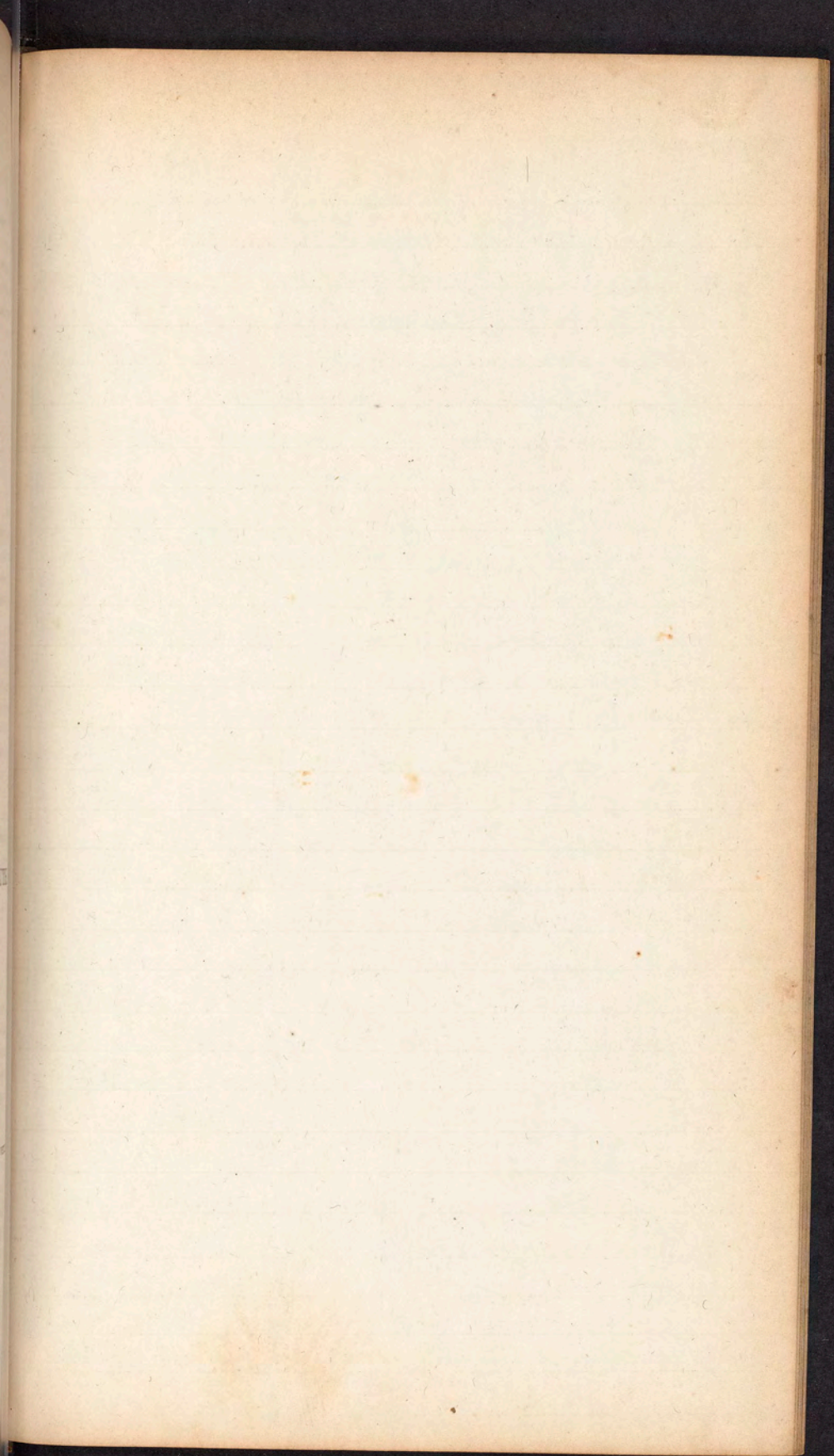
I. AFFECTIONS OF THE LIPS.

WOUNDS OF THE LIPS.

Varieties.
Causes.
Symptoms.
Treatment.

SIMPLE TUMORS OF THE LIPS.

Varieties.—Encysted, fatty, transparent cyst, enlarged follicles, verruca, moles, &c. &c.
Causes.—Vary in each form.
Symptoms.—Depend on the variety.
Prognosis.—Depends on the kind of tumour.
Treatment.—Varies with the form of tumour.



Chapter I
Of the
General
Principles
Of the
Law

Chapter II
Of the
Rights
Of the
Individual

Chapter III
Of the
Rights
Of the
Sovereign

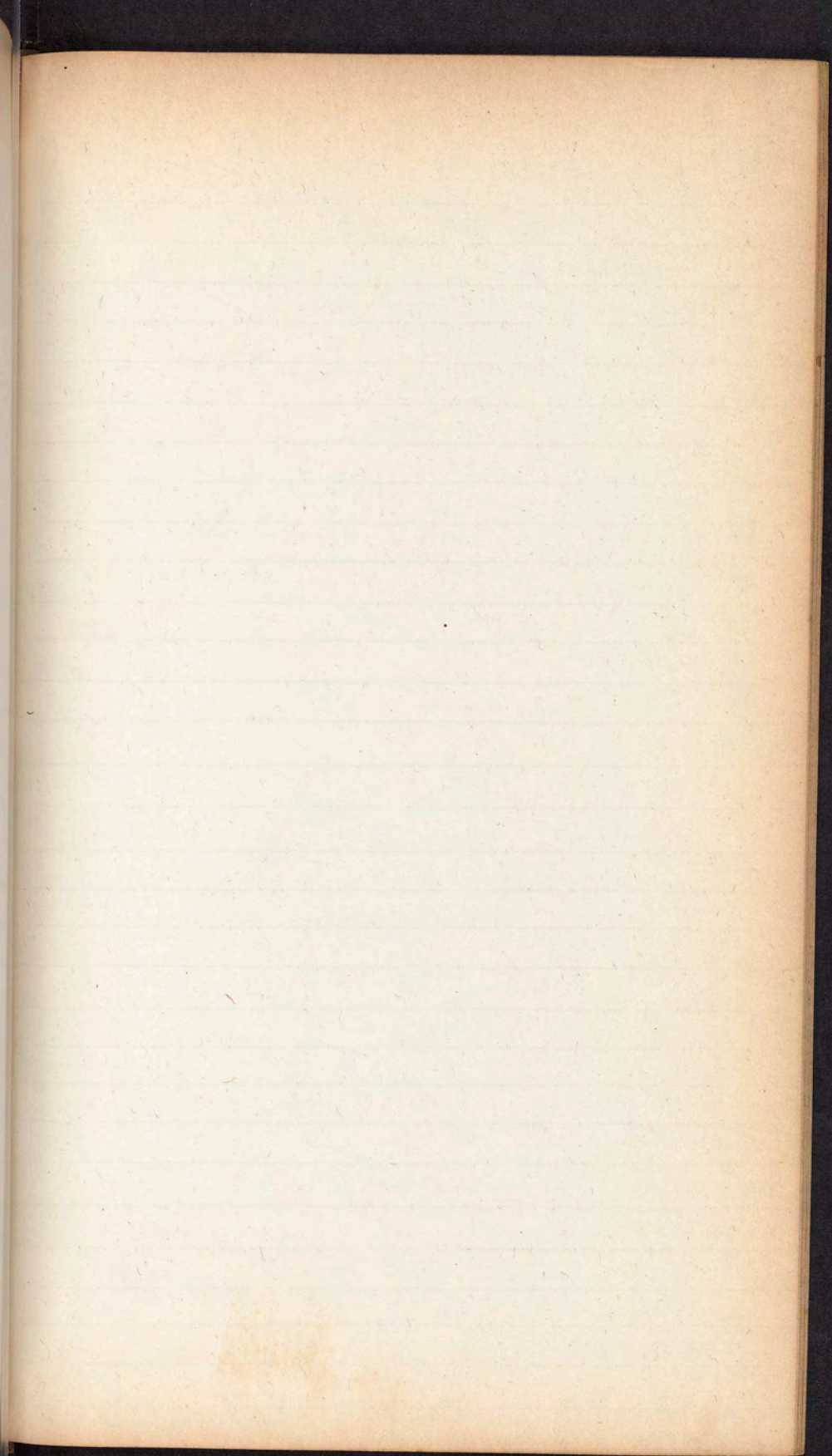
OF DISEASES AND INJURIES OF THE STATE

OF THE RIGHTS OF THE INDIVIDUAL

Chapter IV
Of the
Rights
Of the
Individual

OF THE RIGHTS OF THE SOVEREIGN

Chapter V
Of the
Rights
Of the
Sovereign
Chapter VI
Of the
Rights
Of the
Individual
Chapter VII
Of the
Rights
Of the
Sovereign



1. The first part of the book is devoted to a general survey of the history of the subject.

2. The second part is devoted to a detailed account of the various theories which have been advanced.

3. The third part is devoted to a critical examination of the principal theories.

4. The fourth part is devoted to a discussion of the practical applications of the theories.

5. The fifth part is devoted to a summary of the results of the investigation.

6. The sixth part is devoted to a list of references.

7. The seventh part is devoted to a list of names.

8. The eighth part is devoted to a list of subjects.

9. The ninth part is devoted to a list of terms.

10. The tenth part is devoted to a list of symbols.

11. The eleventh part is devoted to a list of abbreviations.

12. The twelfth part is devoted to a list of initials.

13. The thirteenth part is devoted to a list of acronyms.

14. The fourteenth part is devoted to a list of contractions.

15. The fifteenth part is devoted to a list of euphemisms.

16. The sixteenth part is devoted to a list of slang.

17. The seventeenth part is devoted to a list of jargon.

18. The eighteenth part is devoted to a list of cant.

19. The nineteenth part is devoted to a list of argot.

20. The twentieth part is devoted to a list of dialect.

CANCER OF THE LIP.

Points usually attacked.—Margin, and especially that of the lower lip.

Varieties.—Superficial and deep-seated.

Causes.

Symptoms.—Vary with the stage and form of cancer.

Diagnosis.

Prognosis.—More favorable than in any other form of cancer.

Treatment.

CANCERUM ORIS.

Definition.

Persons most liable to be attacked.

Causes.—Constitutional and local.

Symptoms.—Vary with stage.

Prognosis.—Unfavorable.

Treatment.—Depends on the stage of the disease, the part attacked, and the situation of the patient.

EVERSION OR DOUBLE LIP.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

HYPERTROPHY OF THE LIPS.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

ADHESIONS OF THE LIPS.

Causes.

Symptoms.

Prognosis.

Treatment.

HARE-LIP.

Definition.

Varieties.

Lip most frequently affected.

Complications.

Causes.

Symptoms.

Prognosis.

Treatment.—Depends on the age of the patient and the nature of the defect.

a. The usual operation.

b. Barton's curvilinear operation.

c. Malgaigne's operation.

d. Operation without needles.

ATRESIA ORIS.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

MOUTH TOO LARGE.

See Report by Velpeau of a case where the mouth was open nearly to each ear.

LOSS OF LIP.

See "Chieloplastic operations."

II. AFFECTIONS OF THE TONGUE.

WOUNDS OF THE TONGUE.

Varieties.

Causes.

Symptoms.

Prognosis.

Results.

Treatment.

GLOSSITIS.

Definition.

Varieties.—Acute and chronic.

Causes.

Symptoms.

Prognosis.

Results.

Treatment.

HYPERTROPHY OF TONGUE.

Varieties.—Congenital or acquired.

Causes.

Symptoms.

Prognosis.

Effects on the bones of the mouth.

Treatment.

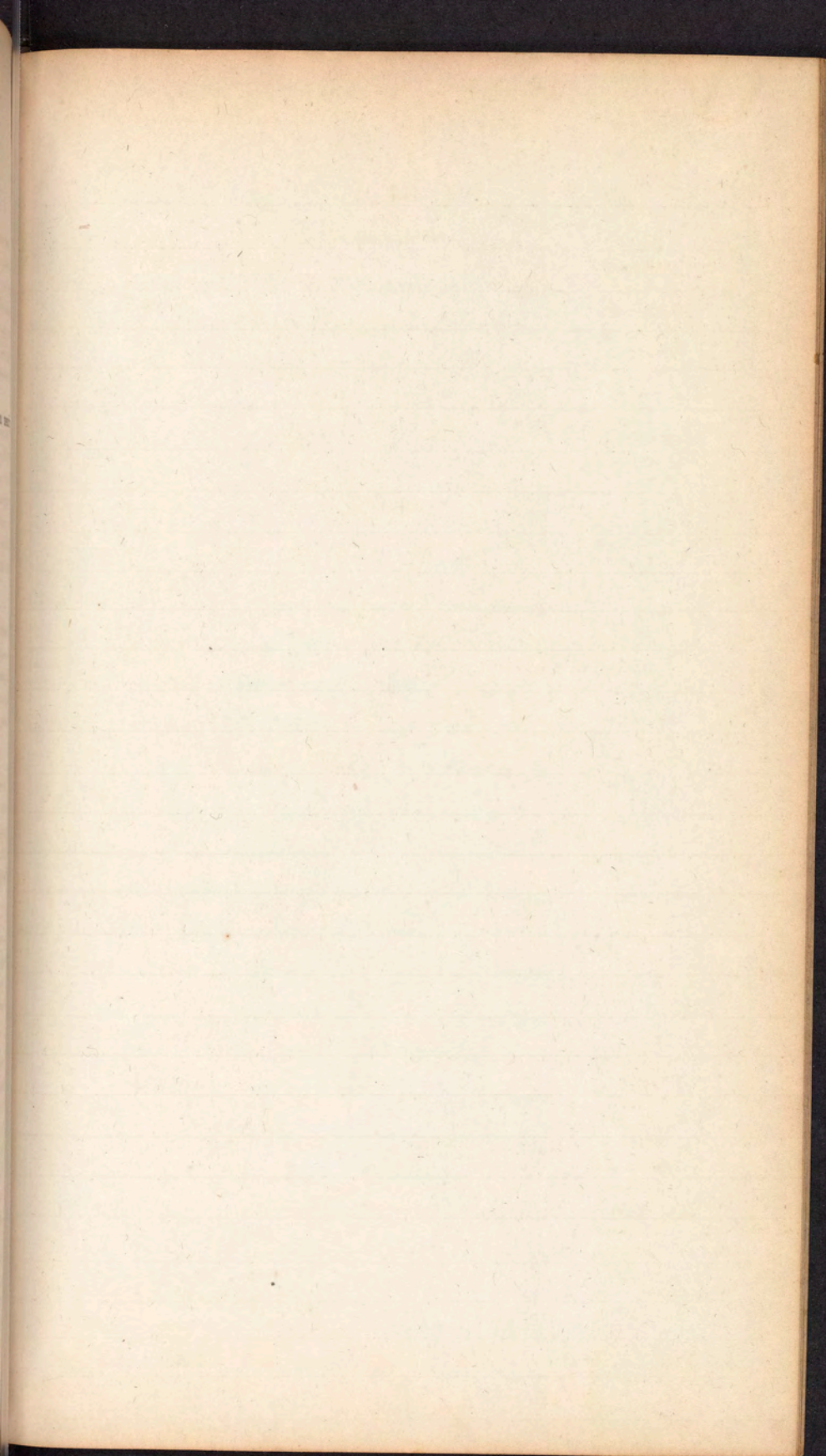
a. Remedies calculated to promote absorption.

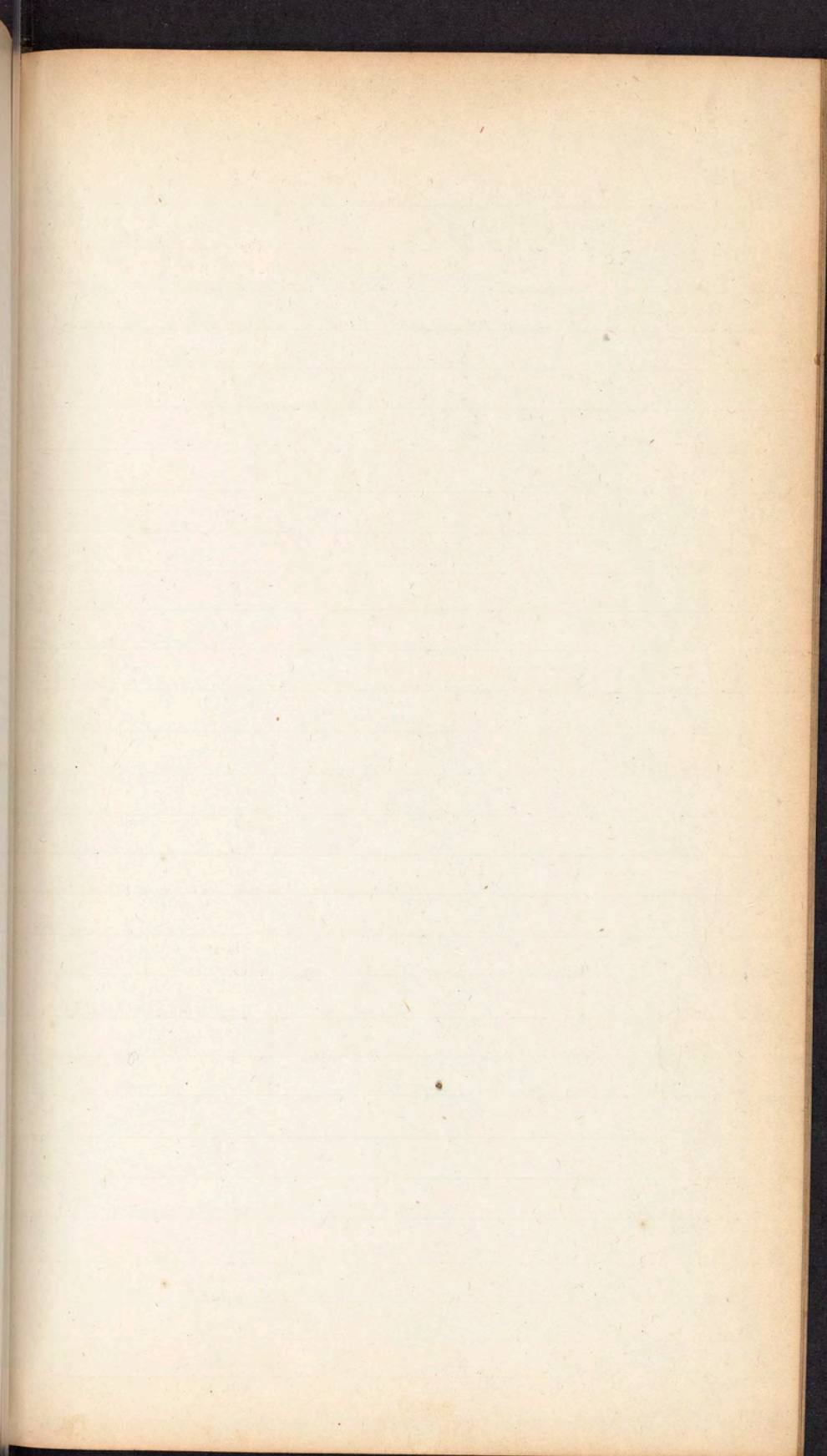
b. Pressure.

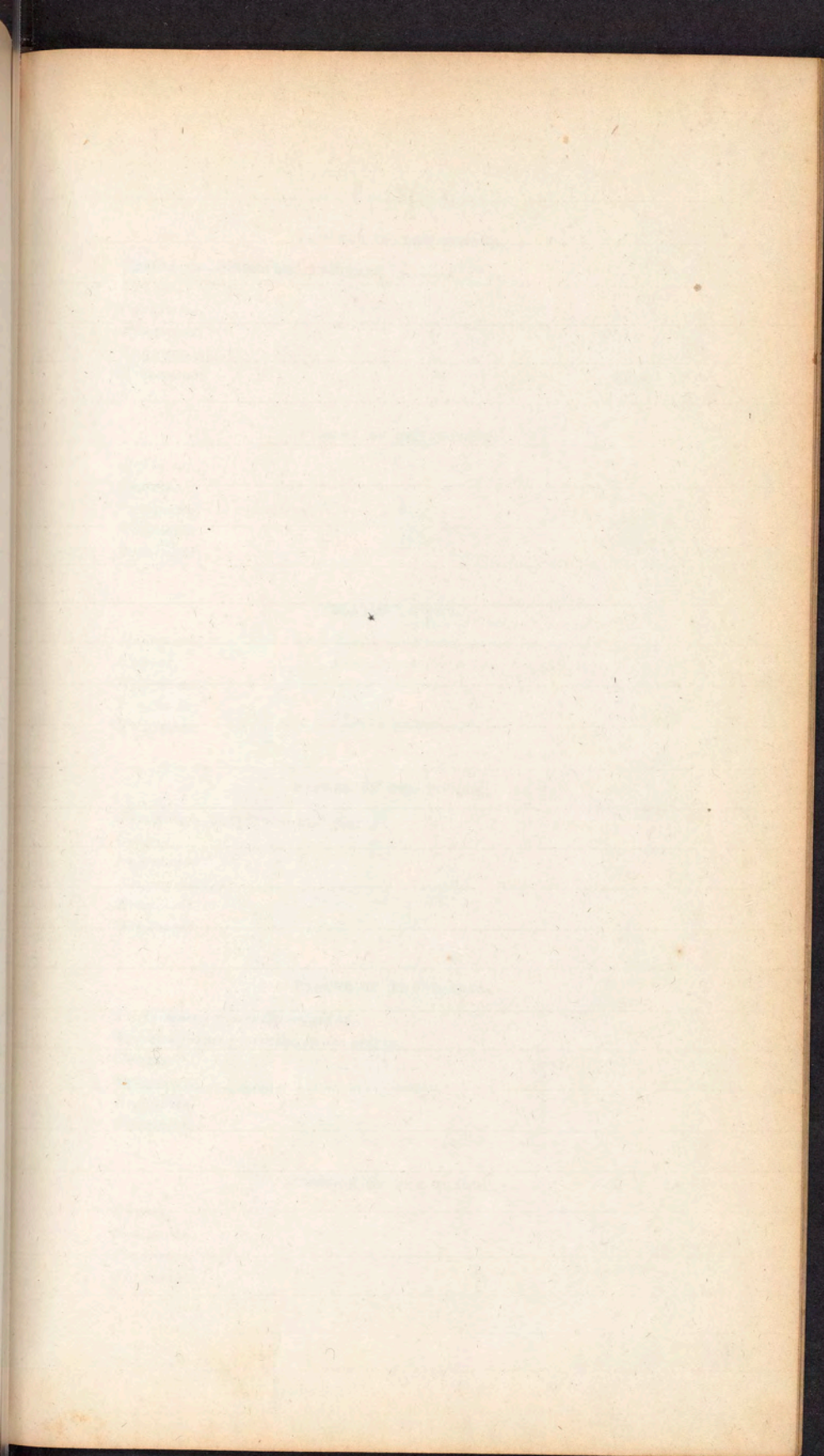
c. Ligature.

d. Scarifications.

e. Excision.







TUMOURS OF THE TONGUE.

Varieties.—Simple and malignant.

Causes.

Symptoms.

Prognosis.

Diagnosis.

Treatment.

FISSURE OF THE TONGUE.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

GLAZED TONGUE.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

ULCERS OF THE TONGUE.

Varieties.—Simple and malignant.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CANCER OF THE TONGUE.

Parts most frequently attacked.

Various forms presented in its origin.

Causes.

Symptoms.

Prognosis.

Treatment.

ADHESION OF THE TONGUE.

Causes.

Symptoms.

Prognosis.

Treatment.

TONGUE TYE.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

STAMMERING.

Definition.

Causes.—1. Congenital. 2. Acquired. 3. Functional. 4. Organic.

Symptoms.—Vary in different cases.

Prognosis.—As regards relief.

Treatment.

a. Vocal gymnastics; (so called.)

b. Different surgical operations.

c. Acupuncture as proposed by Detmold.

Examination of the results of these measures.

DEFORMED TONGUE.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

PARALYSIS OF THE TONGUE.

Causes.

Symptoms.

Prognosis.

Treatment.

III. DISEASES OF THE TONSILS AND ROOF OF THE MOUTH.

WOUNDS OF THE VELUM.

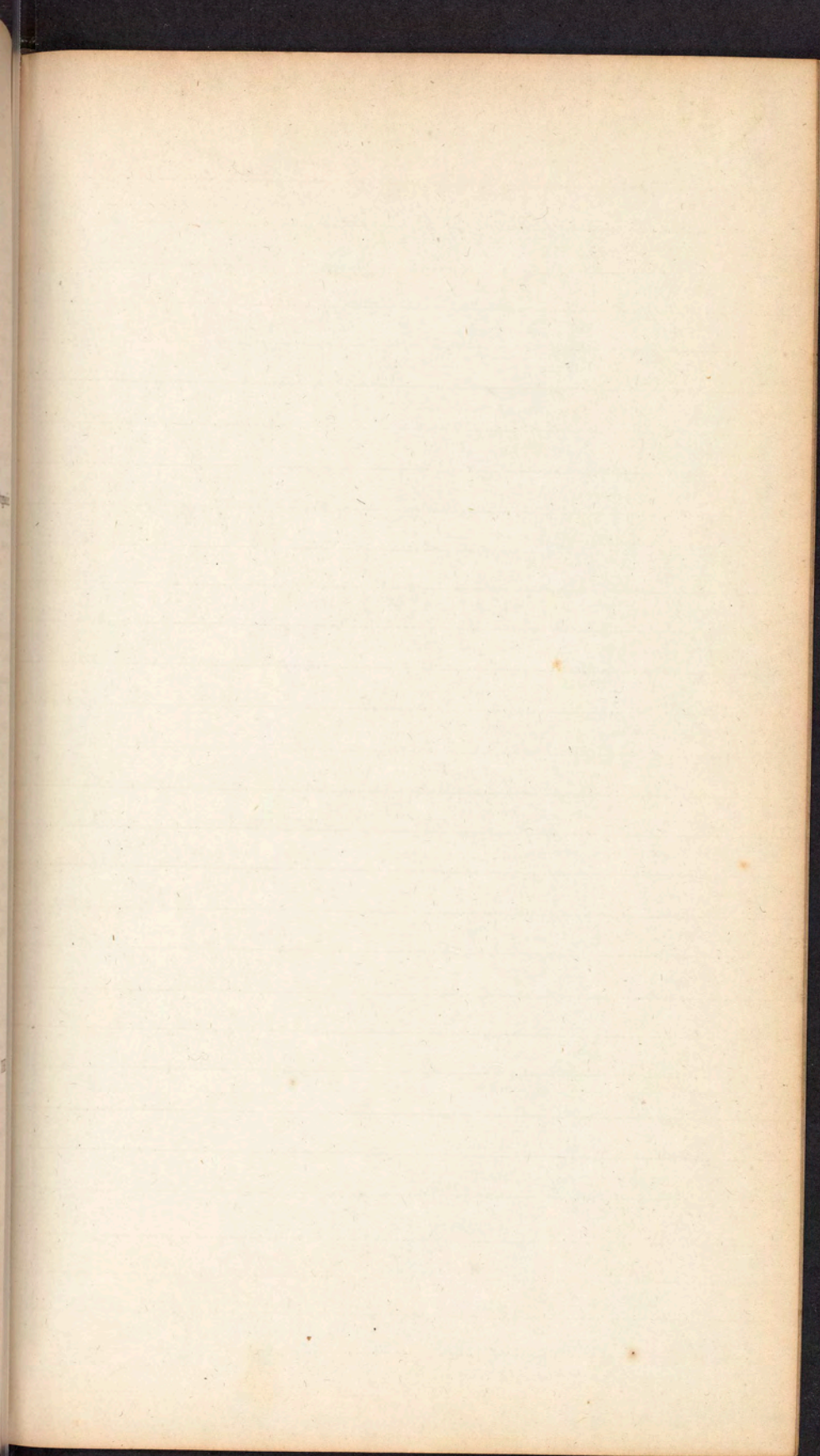
Varieties.

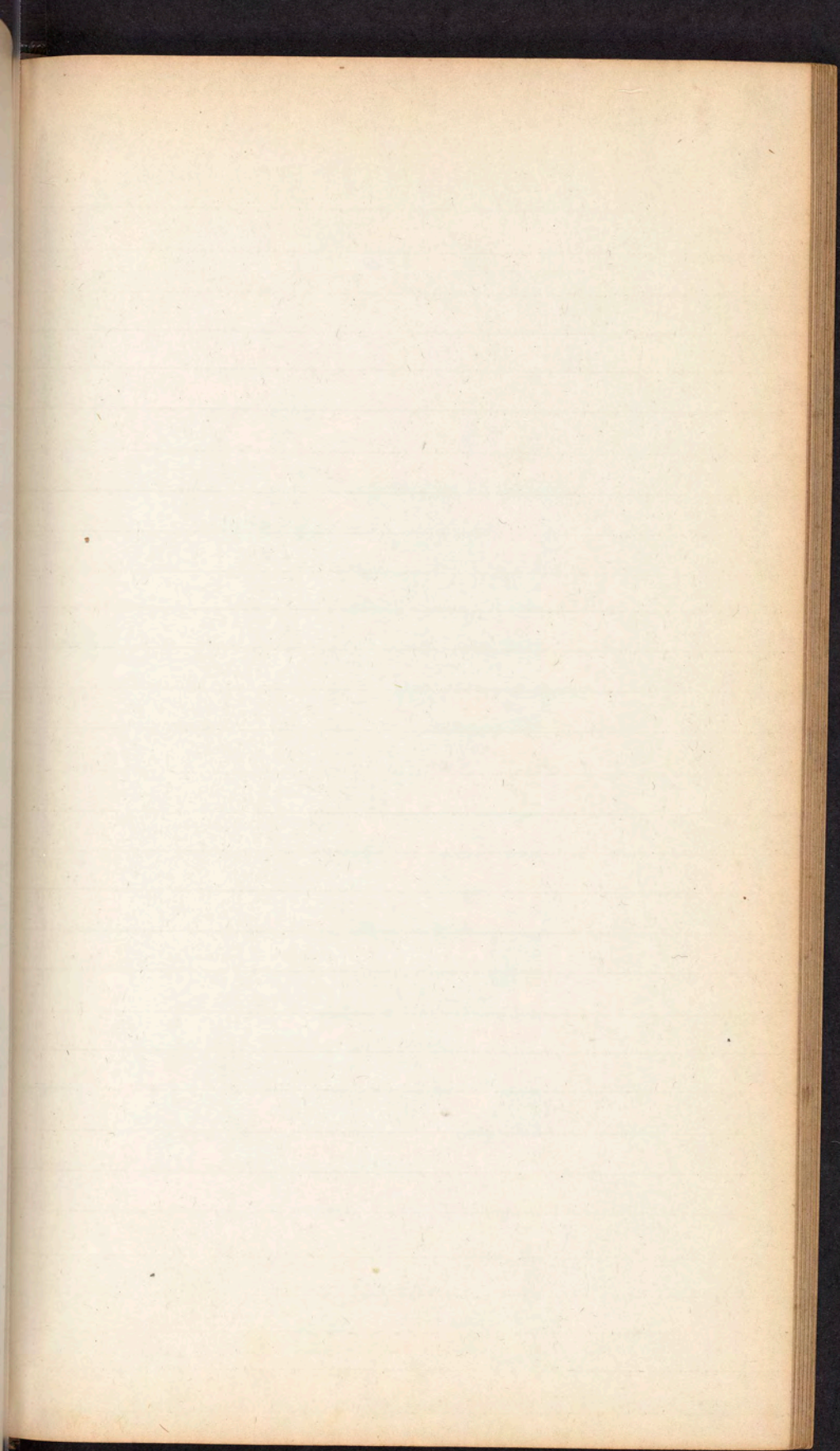
Causes.

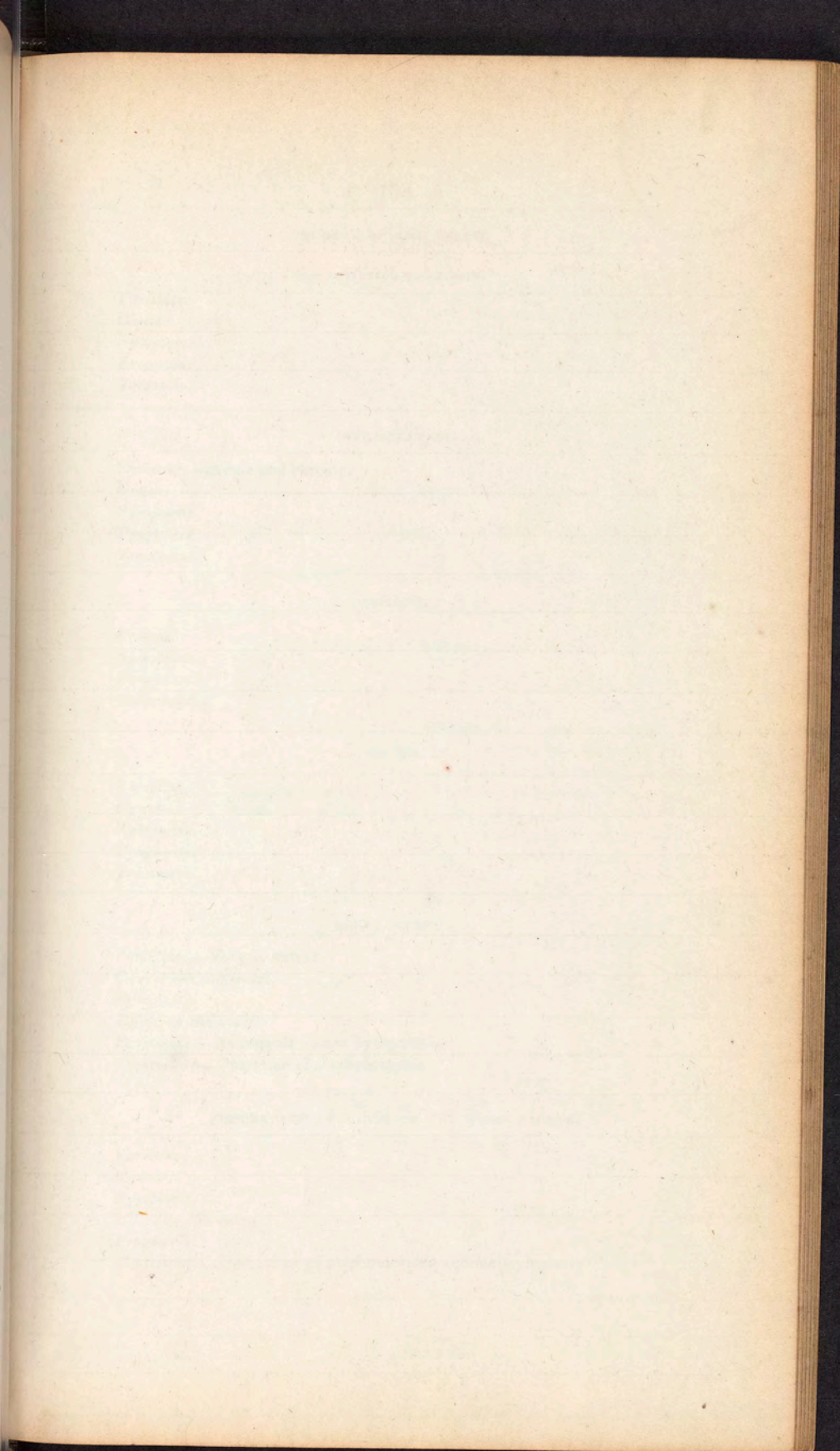
Symptoms.

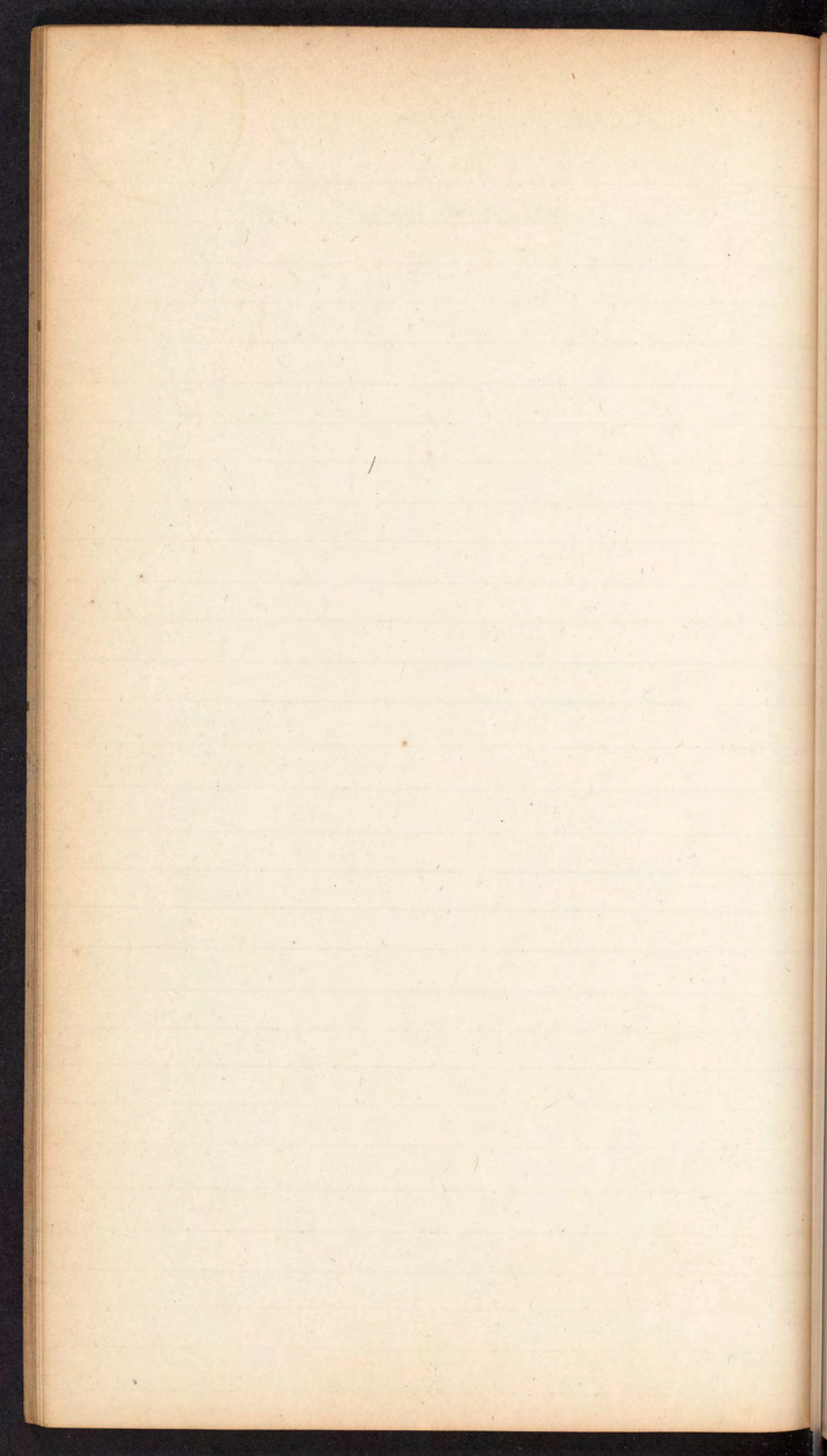
Prognosis.

Treatment.









TUMORS OF THE VELUM.

See "Warren and others."

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

INFLAMMATION.

Varieties.—Acute and chronic.

Causes

Symptoms.

Prognosis.

Treatment.

ABSCESS.

Causes.

Symptoms.

Prognosis.

Treatment.

ULCERS.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

CLEFT VELUM.

Varieties.—Vary in extent.

Causes.—Congenital.

Symptoms.

Effect on the voice.

Prognosis.—As regards a cure by operation.

Treatment.—Operation of staphyloraphia.

FISSURE AND OPENINGS OF THE HARD PALATE.

Varieties.

Causes.

Symptoms.

Effect on the voice.

Prognosis.

Treatment.—Operations of staphyloraphia and staphyloplasty.

AFFECTIONS OF THE UVULA.

- a. Cleft uvula.
- b. Hypertrophy of uvula.
- c. Enlarged uvula.
- d. Œdema of the uvula.
- e. Relaxation of the mucous membrane of the uvula.

Causes in each of these defects.

Symptoms in each.

Prognosis in each.

Treatment in each.

LODGEMENT OF FOREIGN BODIES IN THE FAUCES.

Different kinds.—Fish bones, bits of bread, pins and needles, a thimble, (see Parish,) &c.

Symptoms developed by the lodgement of such matters.

Treatment.

ENLARGEMENT OF THE TONSILS.

Location of the gland.

Structure of the gland.

Different kinds of enlargement.

- a. From acute inflammation.
- b. From chronic inflammation.
- c. From contagious inflammation, as is seen in *anginosa putrida*.
- d. From closure of the orifices of the follicles.
- e. From inspissation of its secretion.
- f. From calcareous deposits.

Persons most liable.—Children of a scrofulous diathesis.

Causes.—Vary with the kind of enlargement.

Symptoms.

Effects on the thorax—(see Warren.)

Prognosis.

Treatment.—Depends on the kind of enlargement.

X. INJURIES AND DISEASES OF THE NECK.

I. SUPERFICIAL AFFECTIONS.

WOUNDS.

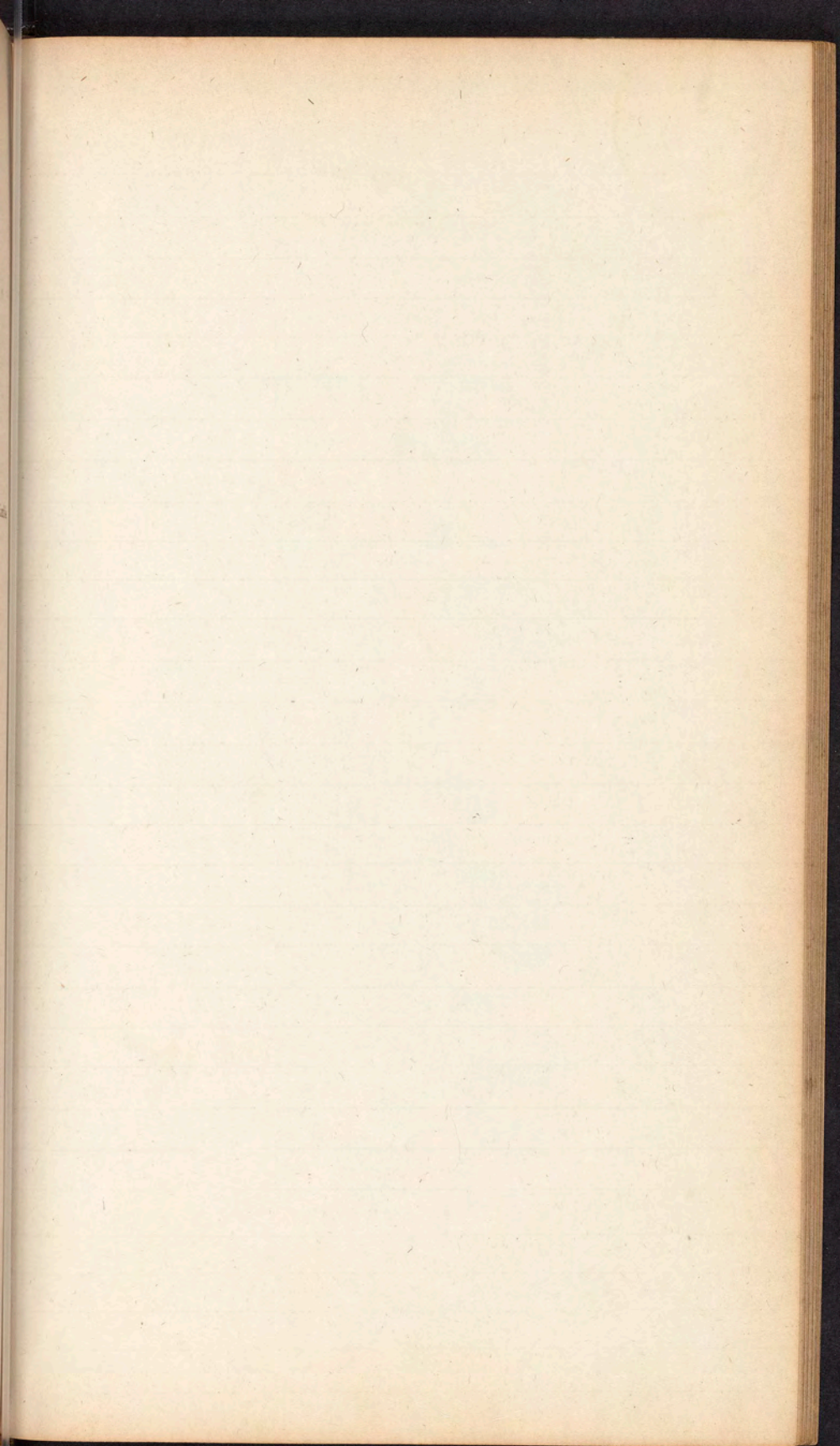
Varieties.

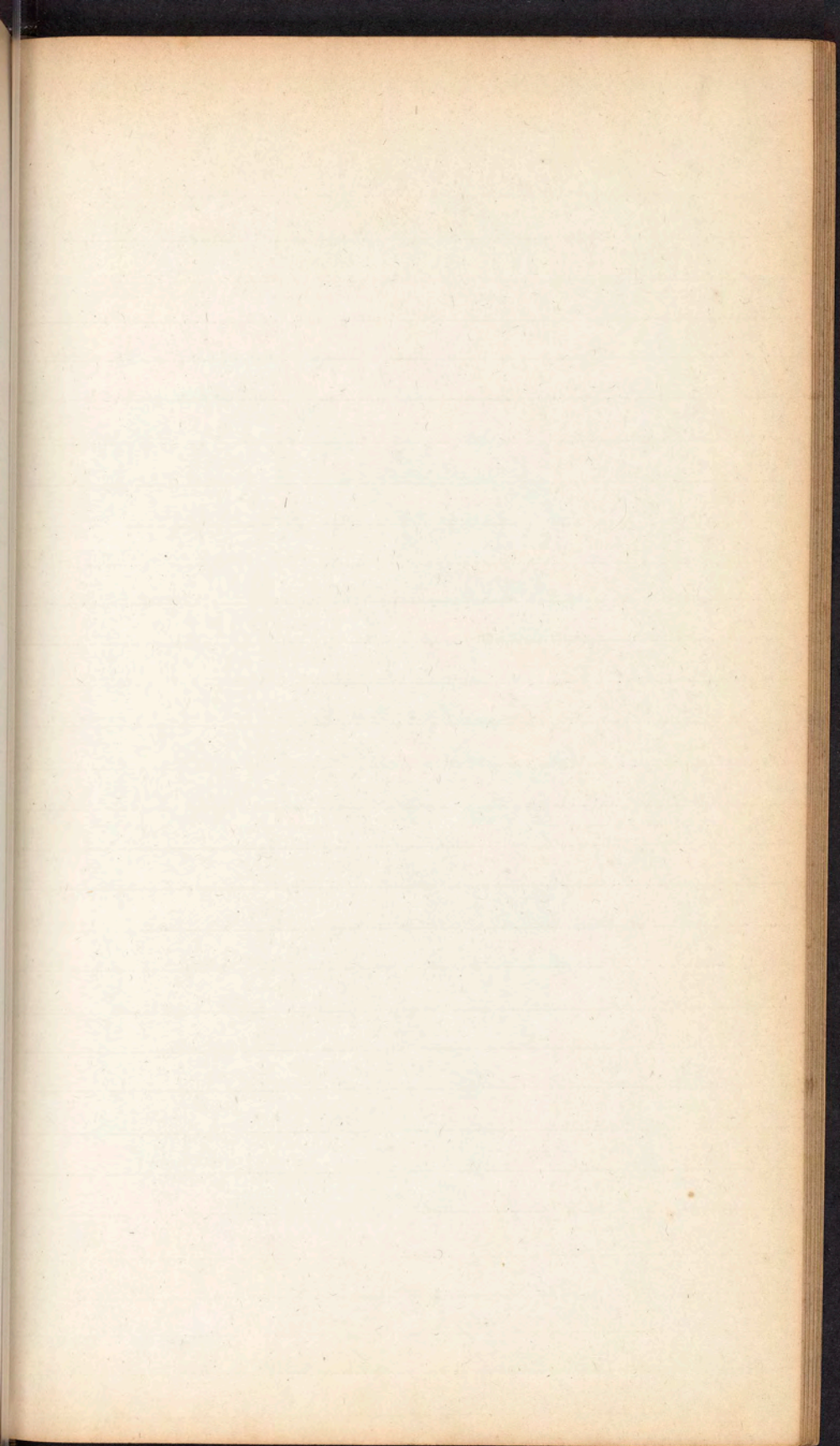
Causes.

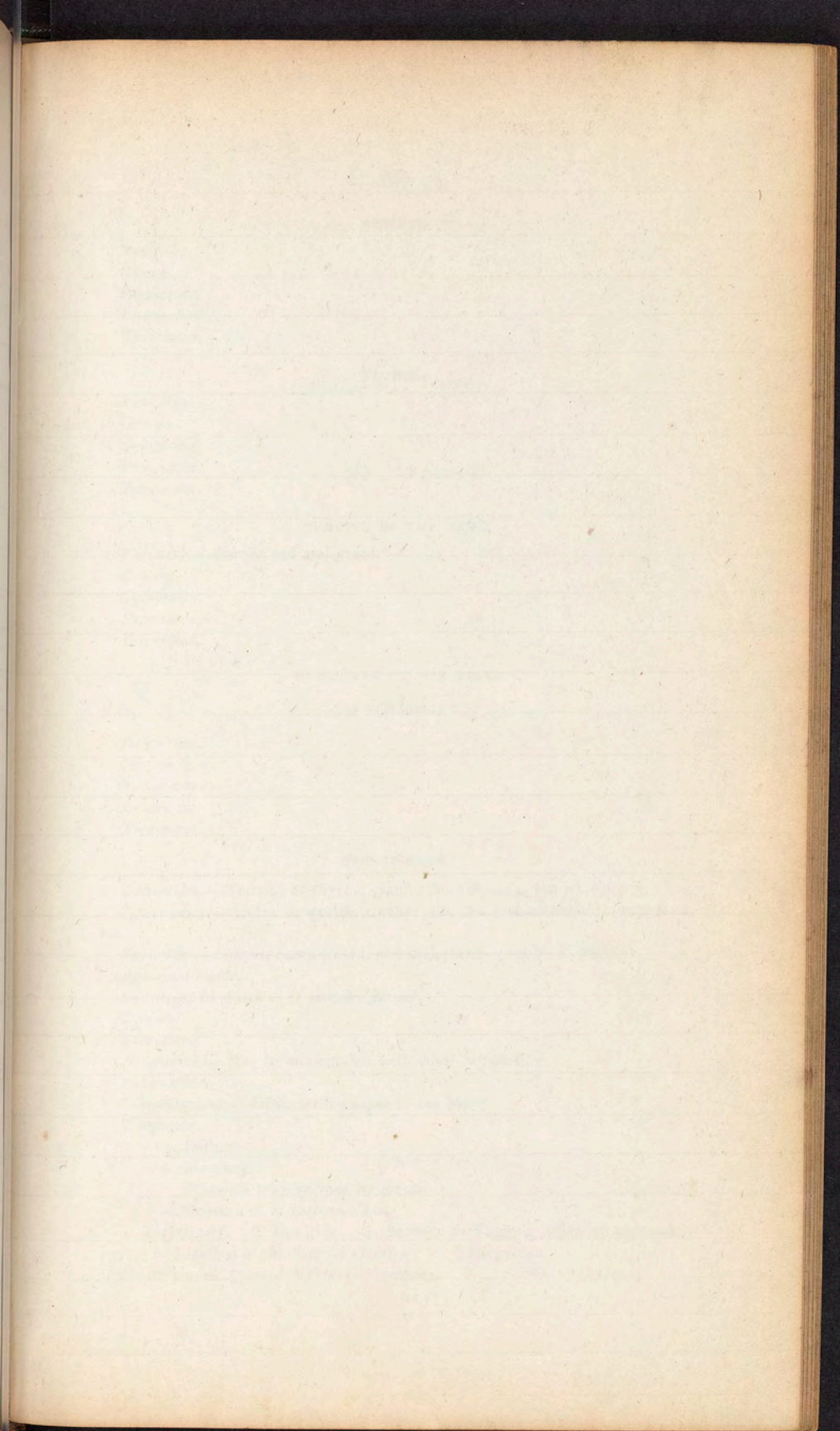
Symptoms.

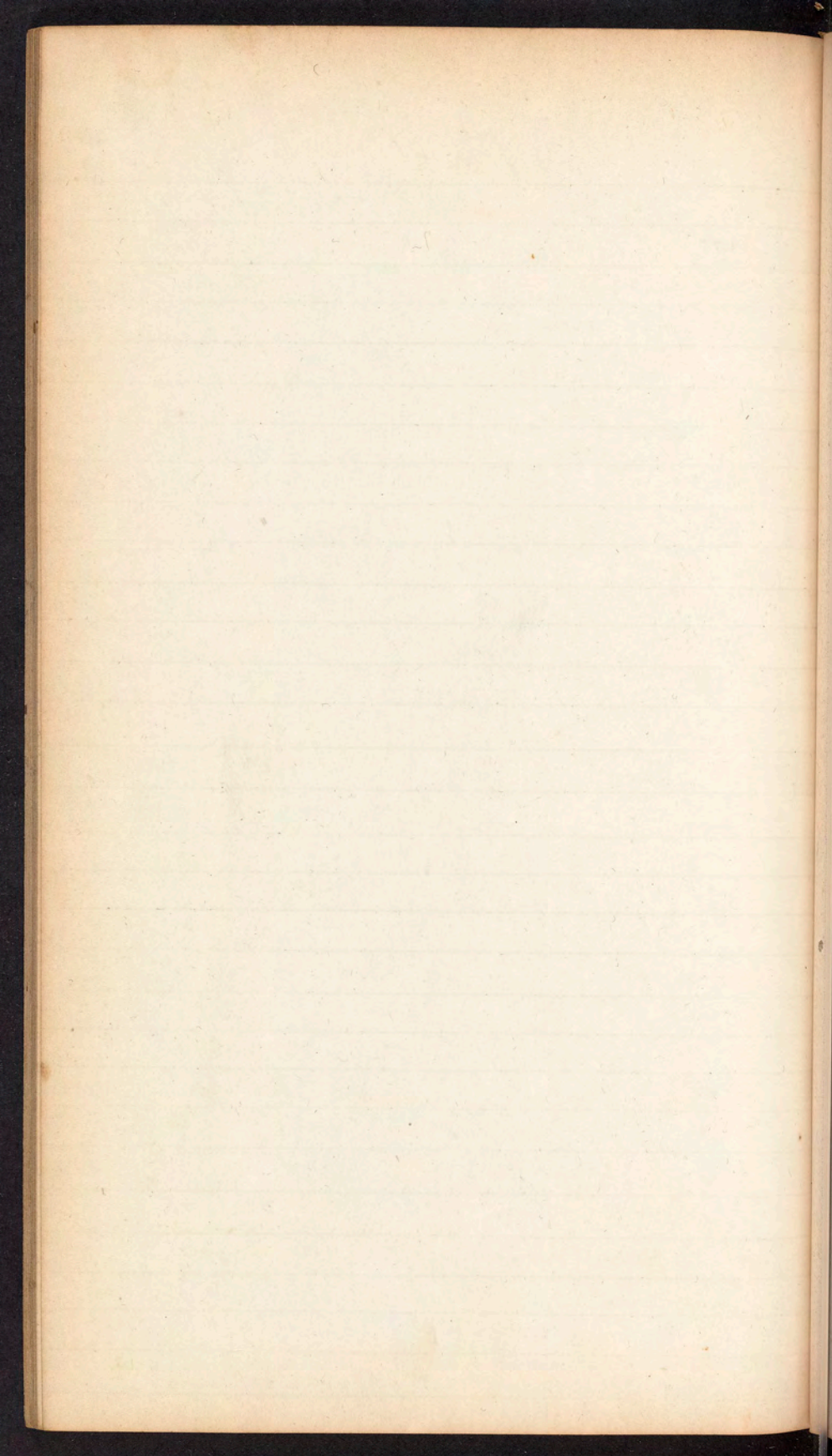
Prognosis.

Treatment.









ABSCESS.

Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

ULCERS.

Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

TUMOURS OF THE NECK.

Varieties.—Simple and malignant.
Causes.
Symptoms.
Prognosis.
Treatment.

HYDROCELE OF THE NECK.

See "Maunoir."

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

BRONCHOCELE.

Definition.—Tumour of thyroid gland; from *Bronchos* the windpipe.
Synonymes.—Gotre or goitre, tracheocele, Derbyshire neck, thyrophrasia,
&c.

Varieties.—Simple, complicated, and malignant—(see N. R. Smith.)
Age most liable.

Countries in which it is usually found.

Causes.

Symptoms.

Diagnosis.—May be confounded with other tumours.

Prognosis.

Complications.—Often with disease of the heart.

Treatment.

a. Iodine.

b. Mercury.

c. Frictions with various liniments.

d. Operations of various kinds.

1. Electricity. 2. Caustics. 3. Seton. 4. Tapping when it contains a
cyst. 5. Ligation of the thyroid arteries. 6. Extirpation.

Examination of these different operations.

HERNIA BRONCHALIS.

Definition.
Causes.
Symptoms.
Prognosis.
Treatment.

DEFORMITY FROM BURNS.

See "Chapter on Cicatrices."

TORTICOLLIS OR WRY NECK.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

II. AFFECTIONS OF THE LARYNX AND TRACHEA.

WOUNDS.

Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

INFLAMMATION.

Varieties.—1. Acute and chronic.

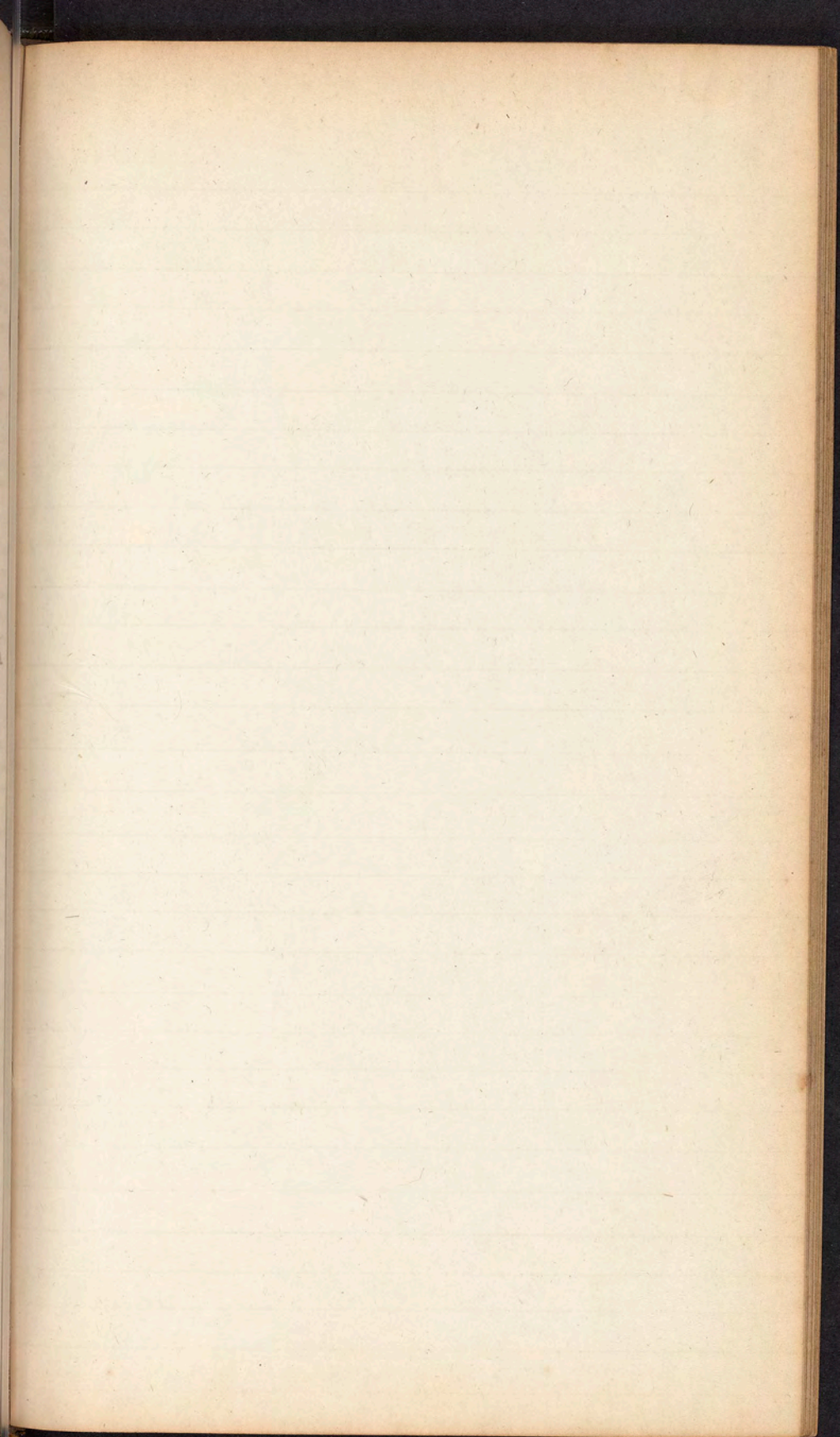
Causes.
Symptoms.
Prognosis.
Treatment.

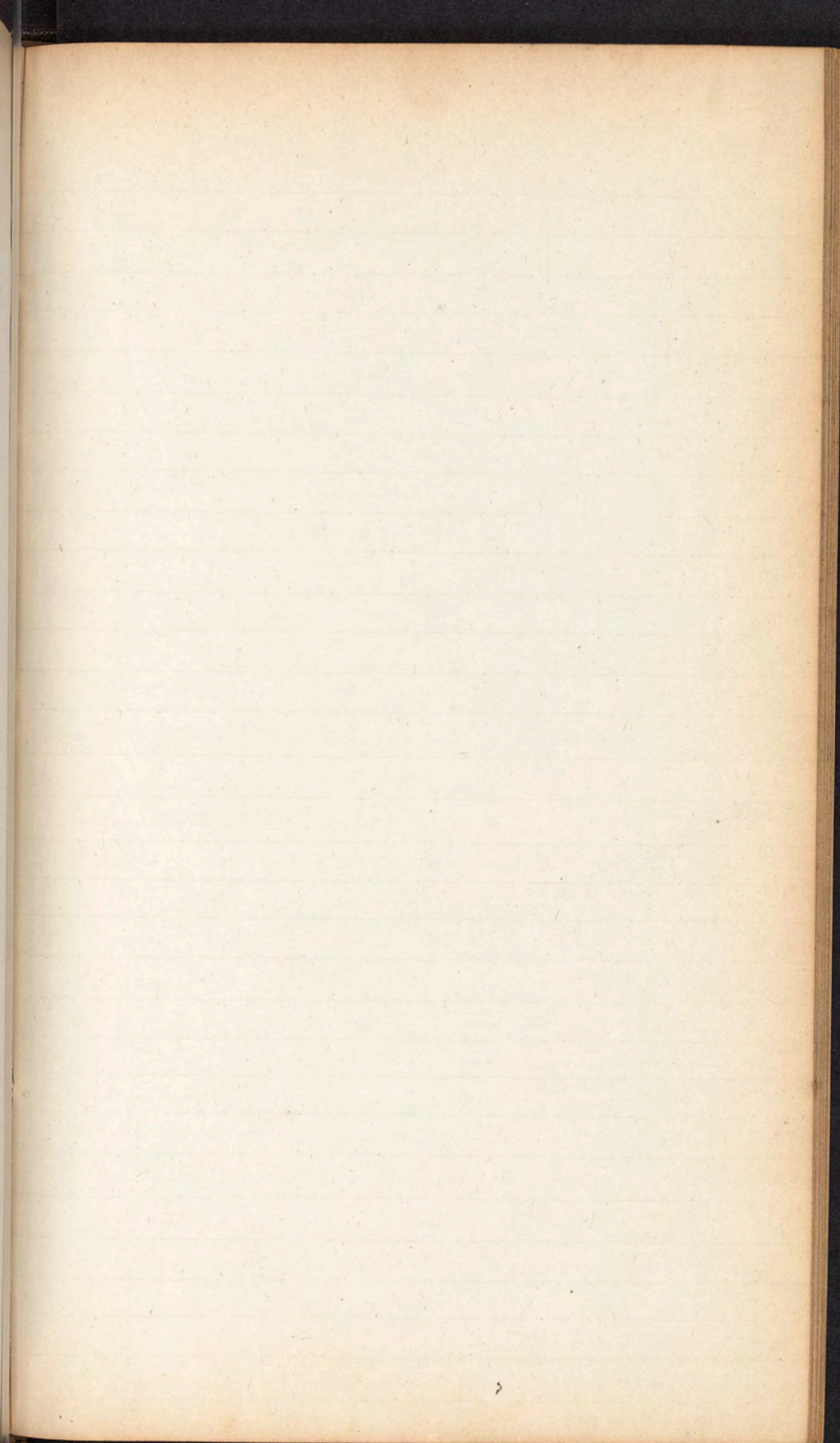
ABSCESS.

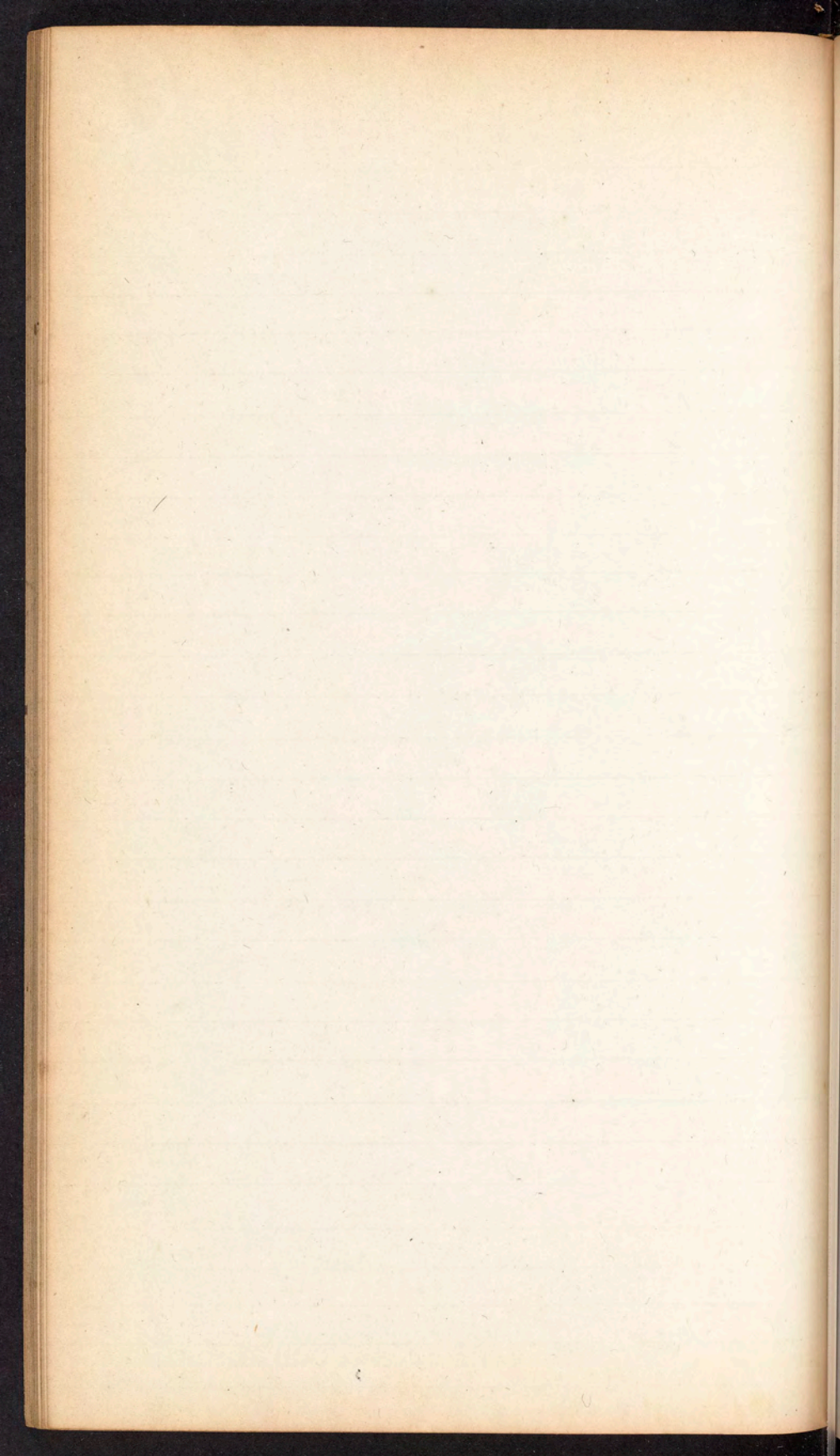
Causes.
Symptoms.
Prognosis.
Treatment.

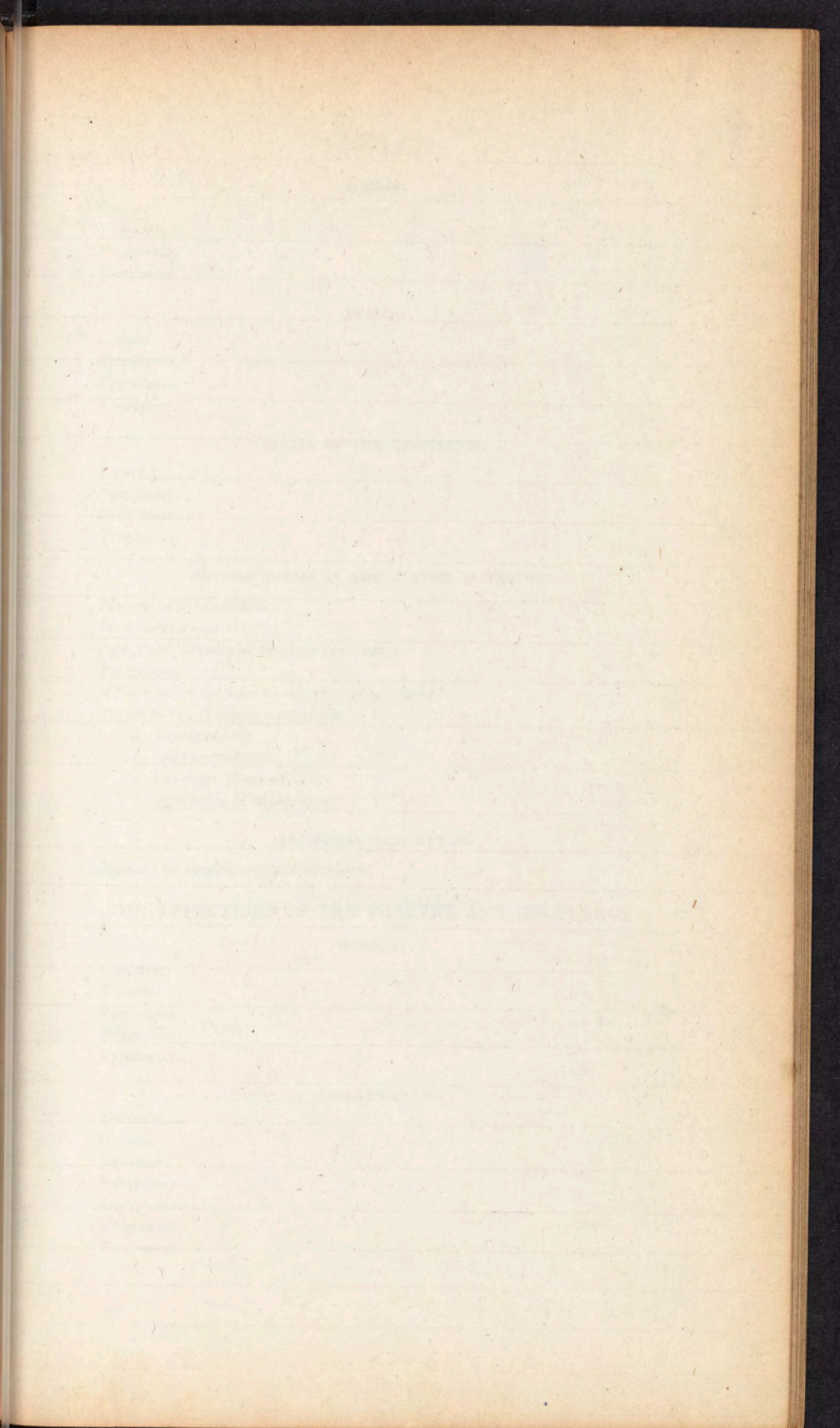
ULCERS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.









ŒDEMA.

Causes.
Symptoms.
Prognosis.
Treatment.

SCALDS.

Causes.
Symptoms.
Prognosis.
Treatment.

CARIES OF THE CARTILAGES.

Causes.
Symptoms.
Prognosis.
Treatment.

FOREIGN BODIES IN THE LARYNX OR TRACHEA.

Nature of these bodies.
How introduced.
Symptoms developed by their presence.
Prognosis.
Effects when the case is not promptly relieved.
Treatment.—Various operations.
 a. Tracheotomy.
 b. Laryngotomy.
 c. Laryngo Tracheotomy.
 d. Operation of Malgaigne.

ARTIFICIAL RESPIRATION.

Manner of employing this measure.

III. AFFECTIONS OF THE PHARYNX AND ŒSOPHAGUS.

WOUNDS.

Varieties.
Causes.
Symptoms.
Prognosis.
Treatment.

INFLAMMATION.

Varieties.
Causes.
Location.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ABSCESS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

EXOSTOSIS OF CERVICAL VERTEBRÆ.

Symptoms.
Diagnosis.
Prognosis.
Treatment.

TUMOURS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ULCERS.

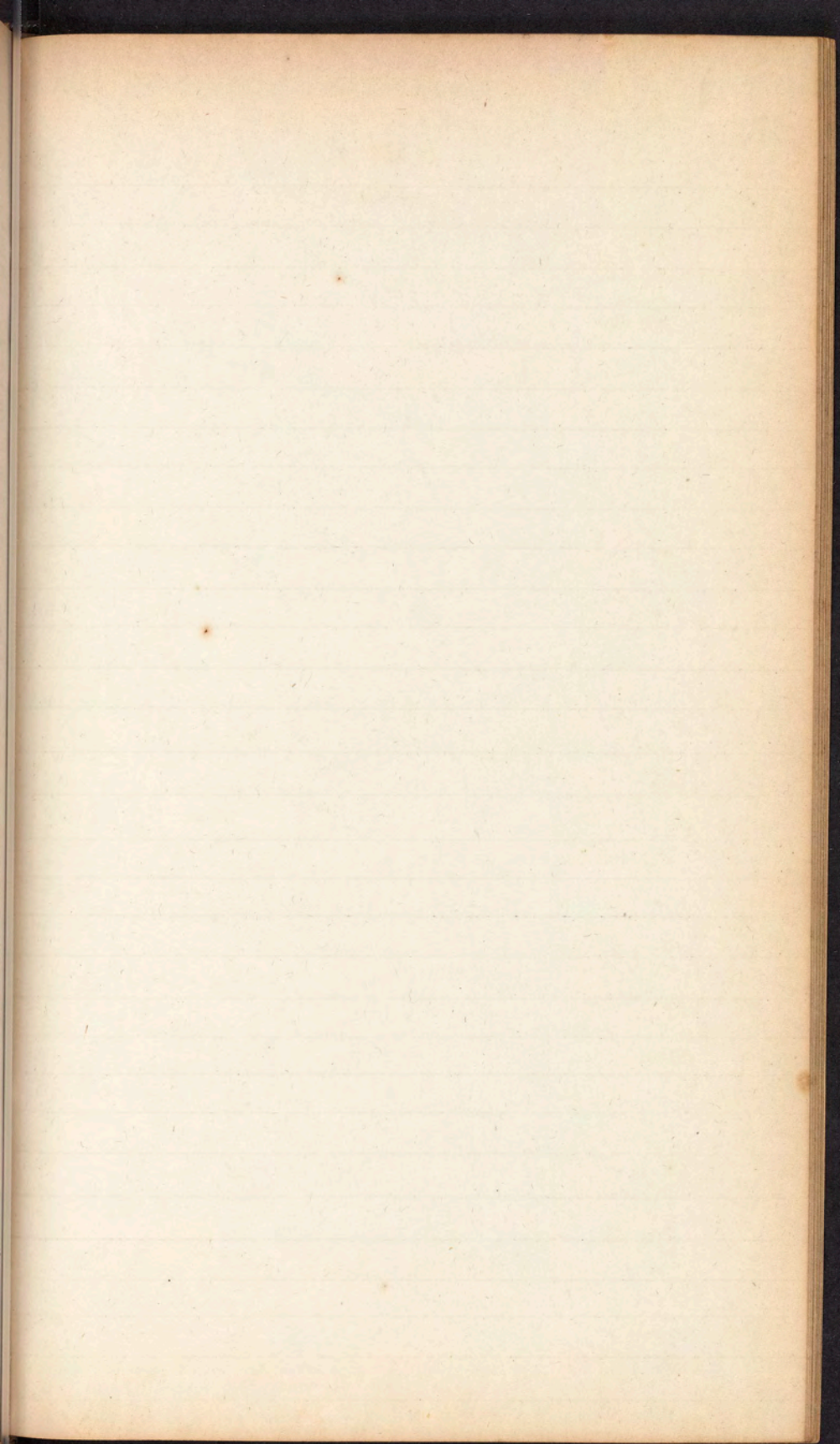
Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

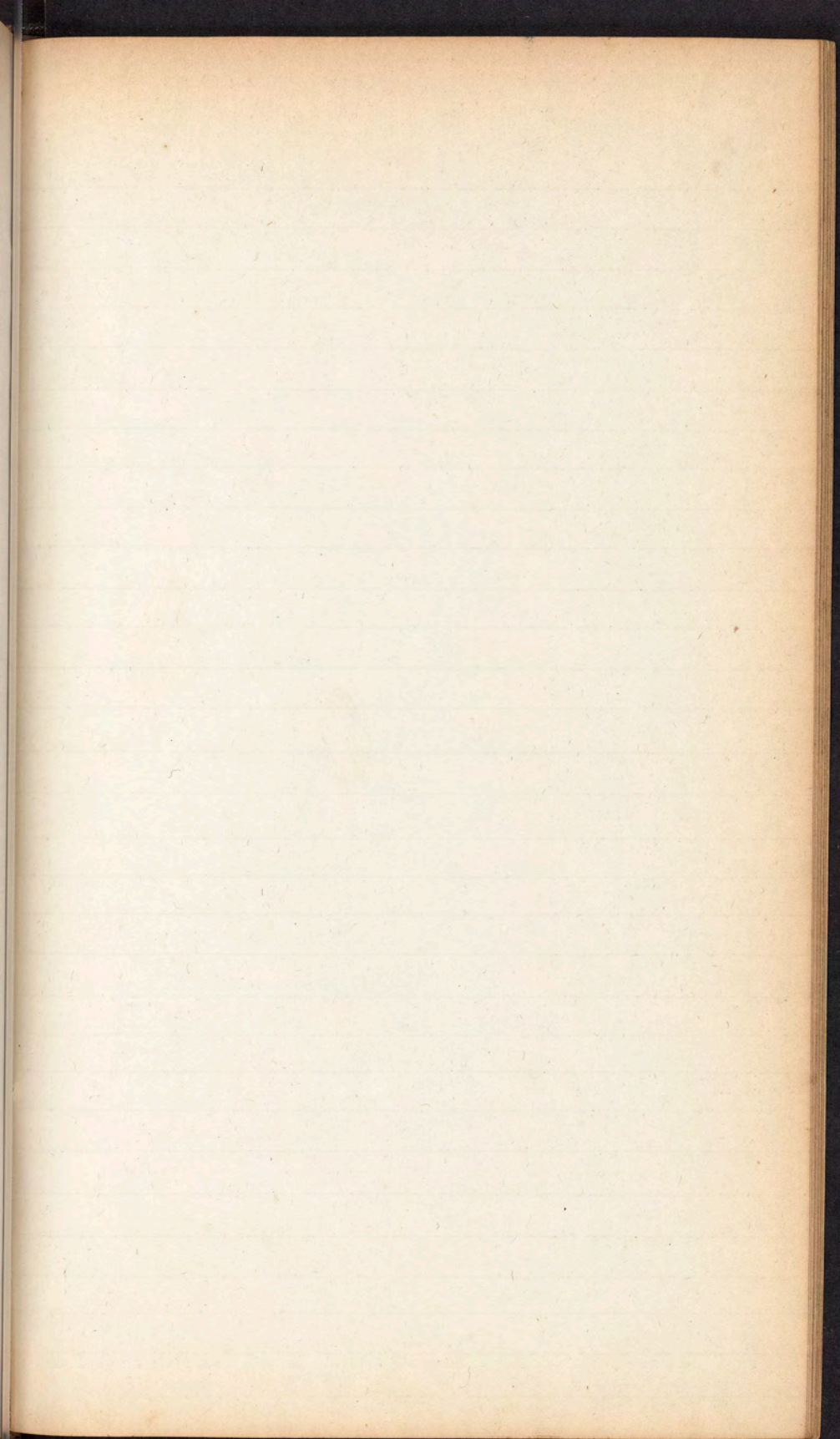
LODGEMENT OF FOREIGN BODIES.

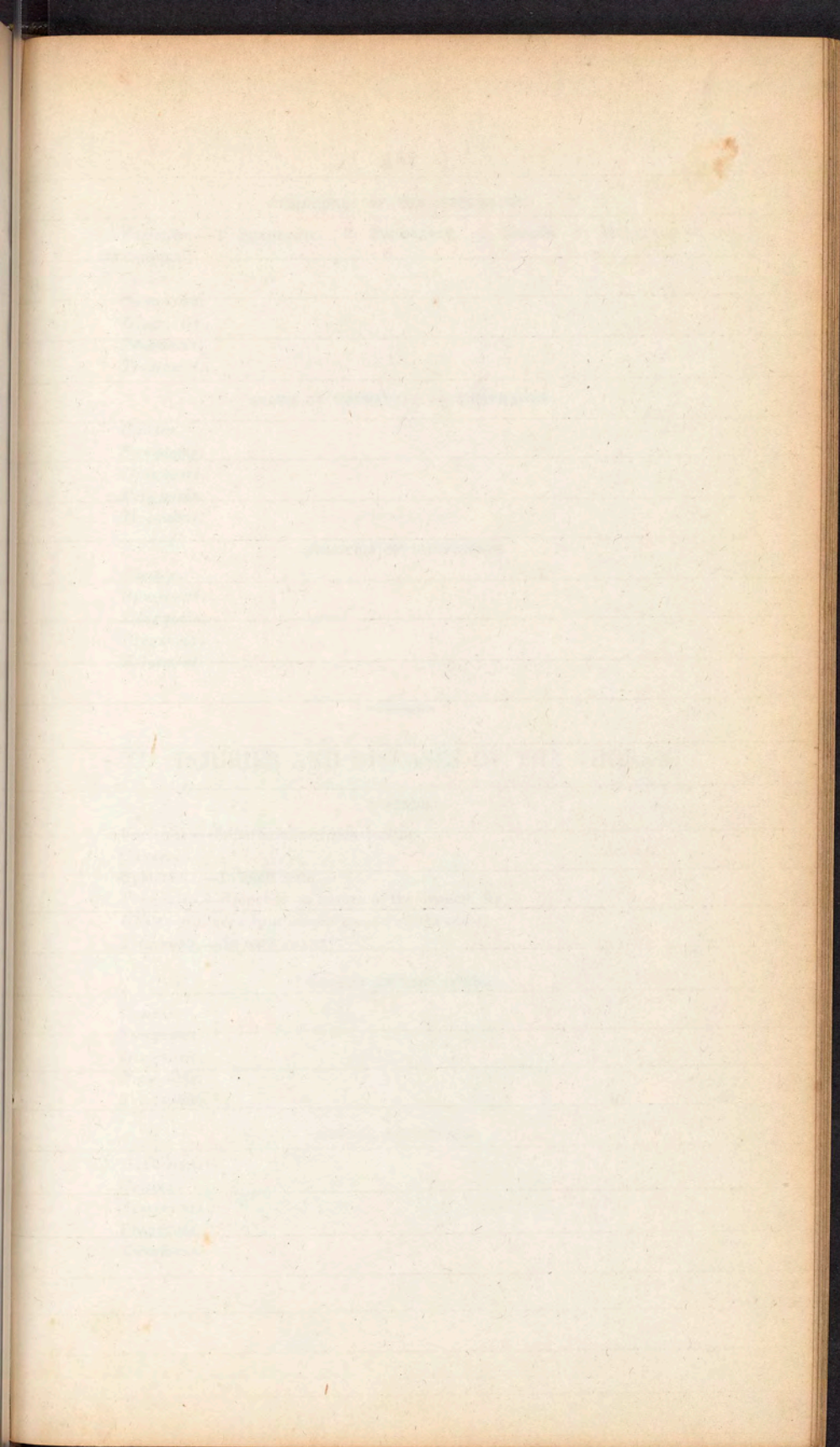
Nature of these bodies.
How introduced.
Symptoms developed by their presence.
Prognosis.
Treatment.—Various means, and as a last resort pharyngotomy or œsophagotomy.

DILATATION OR POUCH OF THE ŒSOPHAGUS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.







STRICTURES OF THE ŒSOPHAGUS.

Varieties.—1. Spasmodic. 2. Permanent. 3. Simple. 4. Malignant or cancerous.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SPASM OR NEURALGIA OF ŒSOPHAGUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

PARALYSIS OF ŒSOPHAGUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

XI. INJURIES AND DISEASES OF THE THORAX.

WOUNDS.

Varieties.—Superficial and penetrating.

Causes.

Symptoms.—In each form.

Prognosis.—Depends on nature of the wound, &c.

Effects produced by a simple wound of the chest.

Treatment.—In each variety.

WOUNDS OF THE LUNGS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HERNIA PULMONALIS.

Definition.

Causes.

Symptoms.

Prognosis.

Treatment.

WOUNDS OF THE HEART.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

WOUNDS OF THE INTERCOSTAL ARTERY.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

EMPHYSEMA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

EMPHYEMA—HYDROTHORAX—HYDROPS PERICARDII.

See "Chapter on effusions."

CARIES OF THE RIBS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

TUMOURS OF THE RIBS.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

FRACTURES OF THE RIBS.

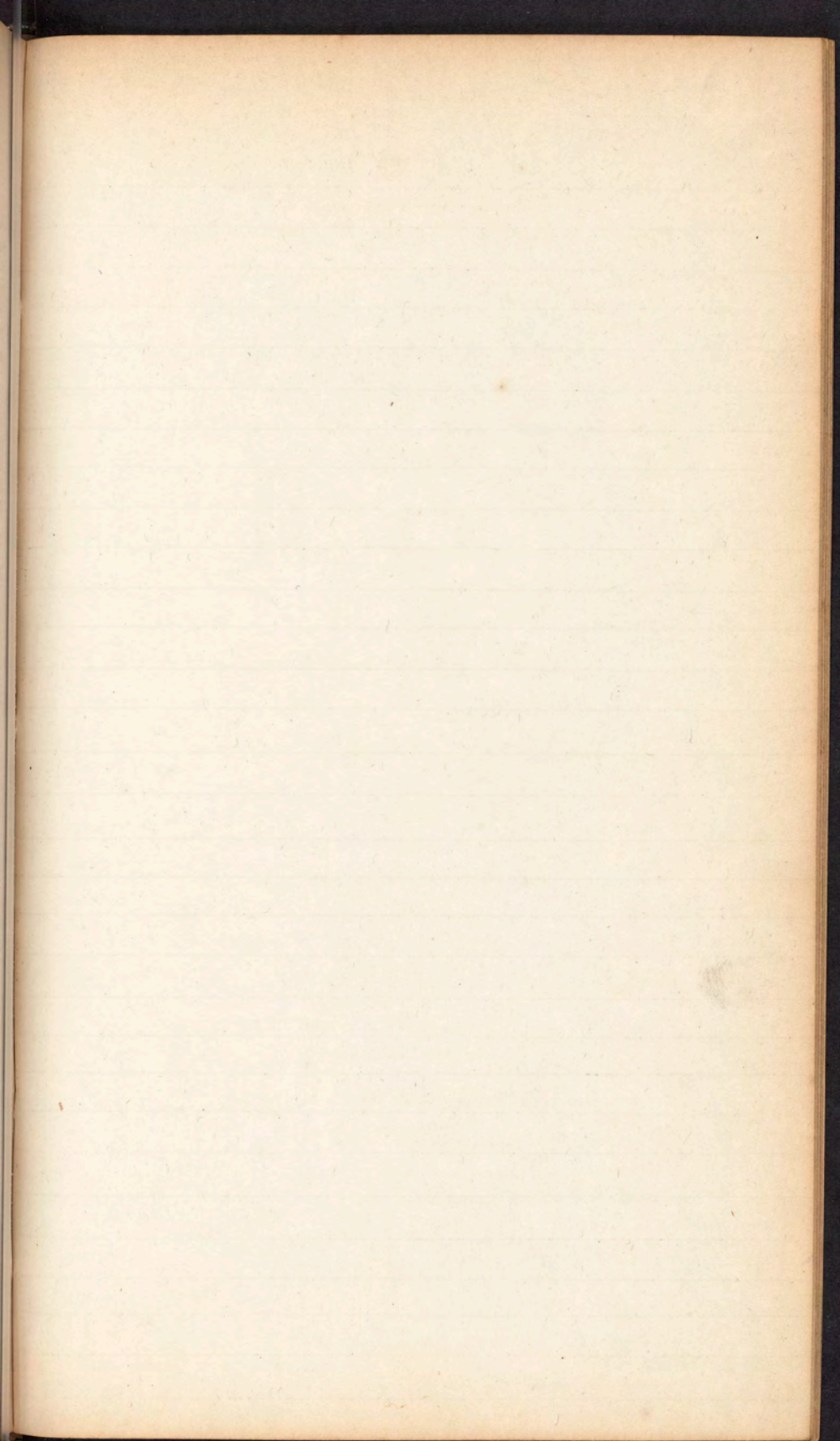
See "Fractures."

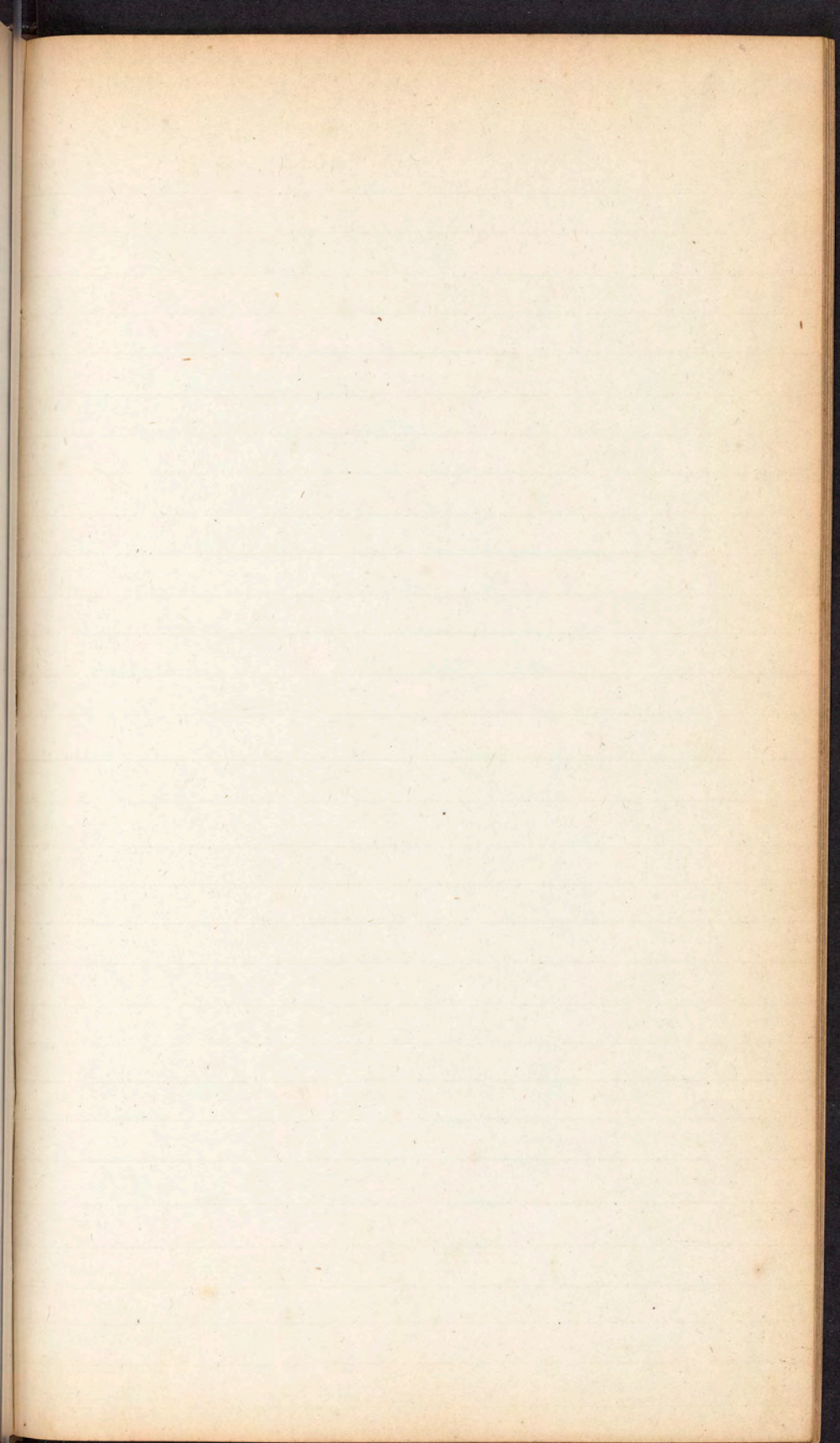
PARACENTESIS THORACIS.

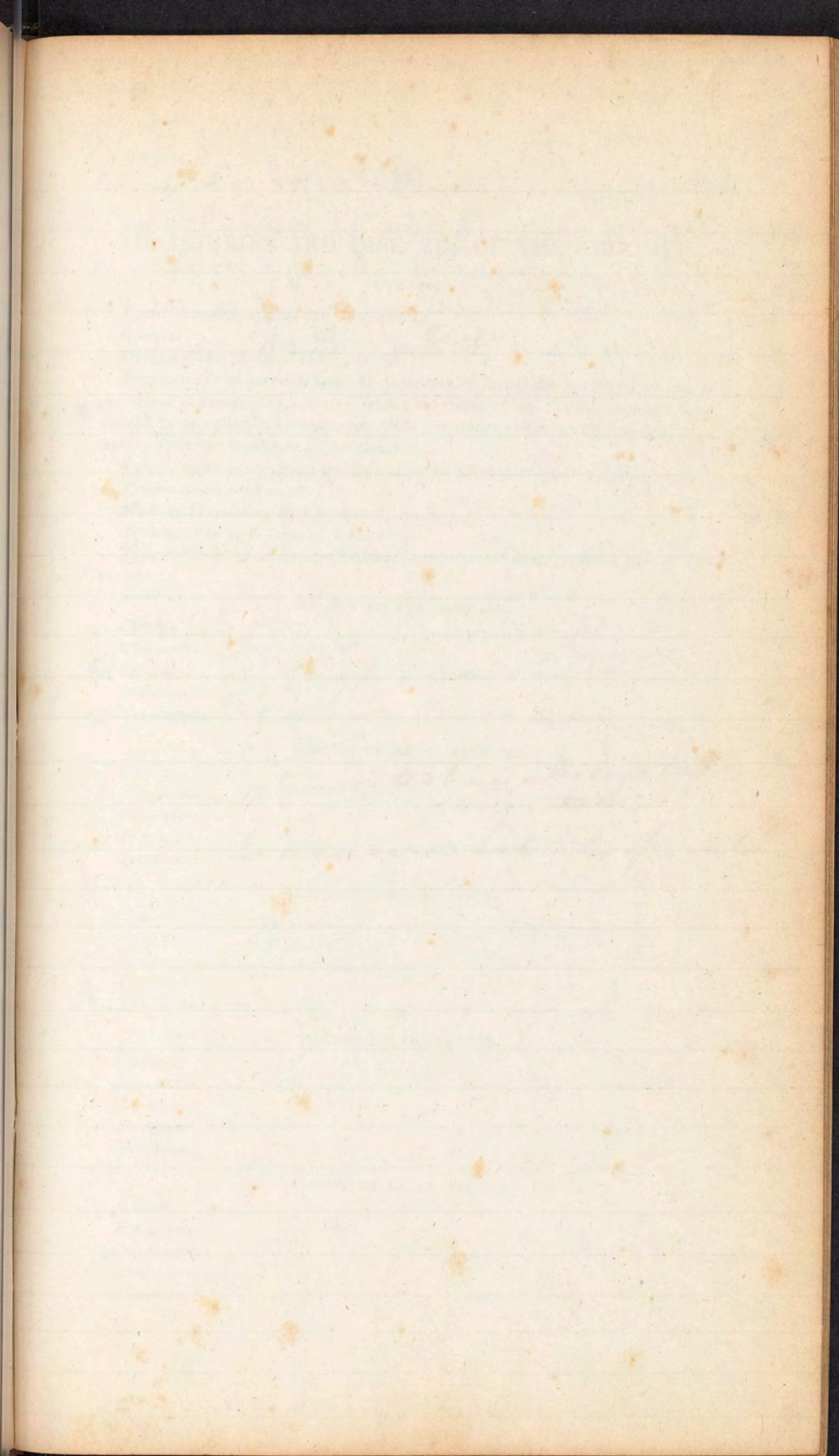
See "Effusions."

DISEASES OF THE MAMMARY GLAND.

See "Amputation and diseases of females."







Superficial Wounds - Don't use
the stick if can help it - if patient has
put on warm compressions, if strong
put cold water dressing - If a
man gets a severe R. R. and
wound, Peritoneal Inflammation the
muscular atrophy, gun shot pass
between Peritoneum, and Skin may
cut a large artery, find a hard
cylinder, a tube full of blood
if ball lodges superficial cut
it out, if can't put it out cut
suppuration will generally get it out
If hemorrhage goes on cut down and
tie artery but avoid it if possible -
Penetrating, 2 in which
contained parts are wound, and other
not, suppose a stab - the vessel
may or not protrude, may be blood
or not - if deep - Seated vessel
wounded, have internal, never stick
left him, on his flank if possible
bleed from arm to be it if not
if you can take the vessel
have arrest him - pass your stick
through skin, begin early and Phil
treat, don't pause If have
hemorrhage, without an effusion
intra, in bad wounds with effusion
dress simply by internal wound but
work out for inflammation

XII. INJURIES AND DISEASES OF THE ABDOMEN.

WOUNDS.

Varieties.—Superficial and Penetrating.

Causes.

Knife

Symptoms in the first or superficial.

Prognosis in superficial wounds.—Generally favorable, but may give rise to peritoneal inflammation, abscess, which may dissect up the integuments to a considerable extent in consequence of the resistance of the fascia, and finally to hernia from the weakness of the cicatrix.

Symptoms in penetrating wounds when no important viscera are injured.

Prognosis in such cases.

Mode of examining such wounds.

Treatment in each form of wounds.

Treatment of penetrating wounds complicated with protrusions of the viscera.

WOUNDS OF THE STOMACH.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

*In Hicks Concussio of
Solar plexus stimulates
glutiny*

WOUNDS OF THE INTESTINES.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

*return intestine always before
operation*
In transverse Leberts operation

WOUNDS OF THE LIVER.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

Bleed. Mangled

WOUNDS OF THE SPLEEN.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

WOUNDS OF LARGE VESSELS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

BLOWS ON THE ABDOMEN.

Symptoms to which they give rise.

Prognosis.

Manner in which death is produced.

Treatment.

ABSCESS IN THE WALLS OF THE ABDOMEN.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

*Make early incision or
perhaps open in peritoneum*

TUMOURS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISTULÆ—(BEAUMONT'S CASE, ETC.)

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

*Make early incision and
drainage*

ARTIFICIAL ANUS.

Varieties.

Causes.

Symptoms.

Prognosis.

Treatment.

See Beaudet's case

POISONS IN THE STOMACH.

Introduction of the stomach pump.

PARACENTESIS ABDOMENIS.

See "Effusions."

EXTRAVASATIONS IN THE CAVITY OF THE ABDOMEN.

Fluids extravasated.

a. Blood.

b. Chyle and lymph.

c. Bile.

d. Urine.

e. Fæces.

Symptoms produced by these extravasations.

Prognosis.

Treatment.

And give him op'ie immediately
till he is completely inverted, give
a guarded Prognosis if vessels wounded
Where there is a protrusion, the
first thing generally pro - Omentum
if the omentum is mortified - see very
grave prognosis - if omentum sound
wash warm water, if out two or
3 hours gets hard - make it
soft, and then put it in, if salt
do so; if protrude to lips of wound
root push away - but close the
wound with sticking plaster.
If omentum be bleeding, cut off by
the vessel, if mortified let it out
and push it in from a plug
in orifice, dress with warm oil
and the omentum forms a stump.
If have intestine and
if hard and dry must put in
the part which came down last close
wound, close wound always put out back
first over puncture dilate wound
into direction, dried surface non
exposed, if intestine hangs out a day
press finger and then if blood will
come again put back if white
no blood make an artificial
anus if mortified in spots pull
up the spoke and tie if morty

ply small this do - if large or
and if hmb make an artificial
anus

Blows on Abdomen. After course of all
if find matter collecting make a free open
let out matter and apply warm form-
and support -

Tumors divided Internal
and external, have partly 4 kinds -
If stationary if non malignant
If do not press on abdomen from size
of to press on contents, let it alone

Box - All ways guarded -

Internal - Most Common is ovarian
tumor. If patient good health let her
alone - no constitutional disturbance
let it alone - If a fluctuation - digestion
impaired - health - take if life is in
peril - take away - Signs of great
danger - nervous shock peritonitis and
adhesions - Two ways - great incision
into Jefferson - and abdomen the
water evacuated - and are drawn
out and then slipped up - The
great incision is as safe as
any - F. Fistula, or Artificial - and
a small opening through
which feces pass - Generally cure
it - but to apply a pad and wear
it a week or so - and it is cut
If this will do cantrizes Nitro and
and the actual Cantrizing all or take
R. Calpel between the eyes and

make a cut, ^{well} and if no strain don't
cut. Artificial anus diff in size a
cut de Lac - and two opening -
indication. is here to open tube. if a
recent case put on a truss and
the fecal matter will collect and
get away the septum. If this fail
apply a ligature pass a simple
thread and cut it through other
way is to cut away with scissors
don't tie suture tight at first, and
in two or three weeks divide the septum
of deprecting - another is a silver
crotch one and going in one cylinder
press on it with bandage - won't
do in recent cases won't do.

Operation gastrotomy to take
out foreign substances never cut in
the stomach life must be in danger
and can feel foreign body - and
sometime has elapsed, and treat
for wounded stomach. If you
can feel any hard lump in the
abdomen then open it - once felt
don't suppose - pull out the in-
fection of intestine

Effusions - of Blood
If hemorrhage active pass in the
peritoneum and distend - the way where
blood comes from - cut down and take
if can find this close wound and
look for peritoneal inflammation - the
blood becomes soft and have a

a pointed abscess cut out your
stick, and keep it open by a poultice.
Effusion of Bile don't shut wound of B. in
Folles. Keep open so long as they
are discharged - if Urine must Run
a large catheter, if can't do this cut in
perineum - Keep it open till urine
passes by urethra,
pumpin'g Stomach

Find nature of
Hernia

The contents different

Var in size usual size about that of
the fist, may be any size large even very
large in warm climate - ³

Reducible Irreducible, Strangulated

³ where circulation of part is entirely or
partly stopped - owing to swelling ~~is not~~
not being in ring but in the protruding part
Covering - Peritoneum - is called sac
Exists almost always but generally is
not present in congenital hernia in
very old Hernia it has become absorbed
Sac generally takes shape of the
viscus it covers may however be
different in consequence of adhesion
the original ^{sac} in old Hernia may be different
density divided into 3 parts mouth of sac
body and between 2 the neck when
going through both rings may be
divided by Poupart's lig into 2 parts

1. Intestine - 2 Omentum - both are
1. bilminate, rare in cold climate & Sex mod
by sex femoral most liable in female
2. anything strain forcing - or any
thing which lessens cavity of the abdomen
Symptoms - in Reducible depend on
location - general symptom belong
to all - 1st tumor can be put back by
taxis or change in position - If when
pass - A gurgling sound it is intestine
if does not give this sound and is tough
and slow omentum - tenderness in
tumor diarrhoea and constipation -
Irreducible tumor - can't put it back
in origin can pass it back - may
be confounded with Hydrocele - Strong
a disposition to be constant no pain
no uneasiness except distress
followed by tenderness in tumor - a
little nausea increase of pain
in whole abdomen and distention
and vomiting gradually returning
cold matter - Diagnosis easy don't
be satisfied if female without ex
pose vagina in cases, but to one
side diaphragm may be confounded
with colic peritonitis passing
thru fascia patens often put
his hand over place in iliac
fossa -

Hernia

Sac is a piece of periton carried down into an unnatural position - Shape is an important thing in diagnosis -

Diff Cong - and acq - 1st no proper peritoneal sac the other has been absorbed,

Anything that antagonizes the abdominal and diaphragm - Smegmas and Pooz depend on variety application truss. Every pad must have a kind of truss and to aid getting the act of the young but have a cork pad if an old hernia have a hard pad. best pad to Dr. Wood operates in two ways - 1st the truss supports and allows the part to contract. 2nd have chronic inflammation and adhesive inflammation. If perform operation, put on a truss well calculated to interrupt entirely the opening between the abdominal cavity and sac.

In order to be efficacious the truss must be worn night and day -

J - ~~the~~ Truss failing the Sac laid open a portion of integument rolled into the ring. It resembles laminae cart introduction of some integument and Having returned the protrusion putting it into the ring - a pocket is formed on the finger, and then pass

HERNIA.

Definition.—Derived from the Greek *επρος* a protrusion.

Location.—Groin, Umbilicus, Labia, Foramen ovale, Vagina, Perineum, Ischiatic notch and Diaphragm. Through the broad ligament, (Casteron and Saussier) Pilcher reports a case where the protrusion rested in a hollow of the bone of the pelvis. Mesenteric and Mesocolic hernia, and through the abdominal parietes.

Contents.—Vary in different cases.

Size.—Depends on the size of the viscus involved.

Sac.—Definition, mode of formation, and division. Cases in which the sac is wanting *Some the Sac*

Division.—*a.* With reference to the contents of the hernia.—Enterocoele, Epiplocele, entero-epiplocele, Gastrocele, Hepatocoele, Cystocoele, &c. &c.

b. With reference to the situation it occupies.—Inguinal or Bubonocoele—Oscheocoele or Scrotal—Merocele or Femoral—Exomphalos or Umbilical—Ventral—Ventro-ingual—Phrenic, &c. &c.

c. With reference to the period of its appearance. Congenital and Acquired.

d. With reference to the condition of the contents. Reducible—Irreducible without Strangulation—Strangulated without Adhesion—Strangulated with Adhesion.

Causes.—1. Predisposing. 2. Exciting.

Symptoms.—Depend on the variety and location of the hernia; there are certain general symptoms characteristic of the *Reducible*, *Irreducible*, and *Strangulated*.

Diagnosis.

Prognosis.

Dissection.

Treatment.—Depends on the variety.

1. For reducible hernia.

a. The truss.

b. Injection of the sac. *Painwater*

c. Caustics.

d. Acupuncture.

e. Scarification.

(Velpeau.)

f. Introduction of gelatine strips.

(Belmas.)

g. Ligature of Schmucher.

h. Ligature of sac.

i. Seton or royal stitch.

j. Plastic operation.

(Jamieson.)

k. Pins.

(Bonnet.)

l. Invagination of integument.

(Gerdy.)

m. Do. do.

(Velpeau.)

n. Rest in the horizontal position.

(Ravin.)

o. Hernotomy.

(Detmold.)

2. For irreducible hernia.

- a. Suspensary truss.
- b. Rest.
- c. Low diet for a length of time.
- d. Hollow truss.

3 For strangulated hernia.

- a. The taxis. *1st thing as certain cause of Inflammation*
- b. Blood letting. *leeching before taxis* (Pott.)
- c. Warm bath.
- d. Tobacco injection. *in blood* (Heister.)
- e. Purgatives. (Monro and Sharpe.)
- f. Purgative injections.
- g. Opium. *Emmenagogue*
- h. Introduction of a stomach tube into the rectum. (O'Beirne.)
- i. Distension of lower portion of the intestine. (Arnott.)
- j. Pressure and cold to the tumour. (Arnott.)
- k. Ice to the tumour.
- l. Application of ether to the tumour. (Vela.)
- m. Application of Belladonna to tumour and urethra by means of a bougie.
- n. Application of a large cupping glass over the tumour.
- o. Operations.

1. The usual operation.

2. Subcutaneous operation.

(Guerin.)

3. Division of stricture without opening the sac.

4. Dilatation without cutting the stricture.

(Arnott and Le Blanc.)

Question as to how long the operation may be deferred.

Treatment of the case after the stricture is divided.

Reduction en masse.

(Luke.)

PARTICULAR FORMS OF HERNIA.

I. INGUINAL AND SCROTAL.

Definition.

Varieties.—1. Oblique. 2. Direct. 3. Concealed. 4. Congenital.

Most common variety.—The oblique.

Sex most liable.

Anatomy of the parts concerned in inguinal hernia.

Mode of formation.

Seat of Stricture.

Symptoms.

Diagnosis.—May be confounded with—1. Hydrocele of both the tunica vaginalis and cord. 2. Circocoele. 3. Retained testis. 4. Diseased testis. 5. Hematocele. 6. Crural hernia. 7. Tumours of the scrotum.

Diagnosis between oblique and direct hernia.

Prognosis.

Dissection of the tumour.

Treatment.—Depends on the form.

Hot bath reduces in 16 minutes
warm bath relaxes Muscles

Cramp

a needle armed with a double lig
and tie it to a piece of cork laid on
the groin and convert the tube
to a solid cylinder by cauter Agua
Ammoon -

Indo Inducible which cannot be
returned into abdomen by pressure old
treat was by a suspensory truss

If such - Lacer if there is a thickening
you can do nothing - but if there
is adhesion! you can carry it back
you have a hollow truss fit
the tumor and adapt it to truss make
in a week the bandage in truss
more shallow - when have a flat
and then a convex the intestine
If very large don't compress -

3 - a Taxis compresses to suit the
case. methodically, must be done with
great if sensitive and inflamed -
don't touch it. If inflamed take down
inflamed - and then trap the taxis
Don't keep up taxis too long - 15 or 35
minutes must operate. Sometimes
the whole tumor is carried in and
the strang - If called in this case
if leave patient he dies make him
sit up strain walk use taxis and
operate. take cord guide palmar up
the cord,

Opium in Stranguria overcomes its very good
enough to paralyze them

and taxis by position. and if fails in
position reverse don't relax too much
when you stretch the ring is tense
Orhal - of Ethen may often get them in
the Ext of blood - Use Tobacco infu
employ greater care, If there is a coil
of Opium - Don't leave patient until to
do something

Operations - 1 - Cutting the Sac and
then cutting the structure - Best

2 - don't cut by Sack Cut -

3 - cut to Sac divide without
cutting sac - No man can tell
what is condition - Unless very small
small hernia. If in inguinal Hernia you
find the sac attached tear off

Concealed - Inguinal Hernia diagnosis
may be confounded with ^{Hæmatocoele Hydrocele} ~~Hæmatocoele~~ ^{Hydrocele} ~~Hydrocele~~ ^{Hæmatocoele} ~~Hæmatocoele~~
as large lymphatic gland - If not inflamed
it is not painful testis are always - lymph
enlarged but can't be made to disappear
- Have to cut through skin sup - for
External Oblique - crumpled or not and
infundibular fascia and Sac - divide Sac
by cutting directly up - Direct or Centro Sag
When protrusion comes through the external ring
alone, In cutting we have skin sup 7, Intecol for
external muscle doubled up to a little knot
Conjoined tendon of transversalis and Internal Obli
Some of these things may not always be here
The case blocked with not answer here

In natural parts I know Sup. portion
anterior and cut abdomines, split into two
columns. In the columnar parts of them the
continuous banding of T & L oblique series to present the

Must have a small block not larger than
end of your thumb never cut any way but
directly upwards. Congenital - In- has no distinct
peritoneal invest, usual comes on after birth.
lodges in sac of Tunica Vaginalis Testis in front
of the Testis. Sometimes Peritoneum will come
down because opening is closed at birth -
Hernia most part simple - If reducible put
on a truss with skin with Sig. B. Clav. Lys. & Ague
if irreducible, appropriate truss - When the operation
must be performed must overcome the structure
on the outside of sac - If not possible open the sac
at lowest point and cut thro.

Page 162 - In colic tearing abdomen
Punching abdomen the pain always being in
such cases being believed by presence In hernia
the patient is quiet Knees and thighs flexed
proportion age and size - Local - mod.
Generally measures - Palliative & Rad
is in Reduce - Rules - always try this
soft pad generally used for children In
old hernia use wood or glass because
it Rubs up irritation - It operates by drawing
intension and giving rise to inflammation
must wear truss night and day - Keep
on truss while bathing, don't take off
at operation of bowels -

A concealed Inguinal Hernia is where it lodges
in inguinal Canal. When cut down here injury
tendon & tendons oblique Cremaster muscle pectoral
or Cremaster tendon - Direct Ingu Hernia where
it goes through external ring and don't touch
Inguinal canal. 4th time is Anomalous
Sometimes have Cremaster muscle may be absent.
Treatment very simple the same as direct
or Spontaneous. Treat of Cong Ingu Hernia
has no proper peritoneal covering - open down
as low as possible cut down at the very
bottom - If scrotum - If scrotum is intact
if scrotum - peritoneal sac - apply truss
as soon as child is born ~~with~~ very soft
pad - wash part every day - with A.B. 60%
Alcohol 3% -

Hernia - Belongs to femoral
3 parts - 1 all parts below P-Sig 2 parts
concerned in femoral arch - and parts
in pelvis - Integuments very thick
divided by pinching - 2 Superficial
branches ender and lymph glands -
3 - Mass of cellular tissue cordiform form
a portion of superficial fascia splitting
across Saphenous opening - 4th Fascia
lata femoris - 2 part - Sart and pect
outer part is arched is deep ligament
it is not sharp is directed to get behind
femoral vessel - 5th ant wall of sheath
of vessels is a prolongation of super fa
and Whala fasci

Anal Arch - all parts beneath peripart
legament - and the sharp lig is gem hemelt
have ~~pross~~ may and these mus
stream of vessels - nerve artery vein - and
~~has great pross~~ and anal ring -
Inward by ~~gem~~ lig out by vein up
by peripart lig - divide upwards in
internal parts - Infundibulum - lined
by peritonum - formed by fascia transversalis
~~mus prob~~ and fascia ~~trans~~ ~~thru~~ ~~the~~

Anatomy of parts in Inguinal Hernia
natural

coverings of Hernia
Allegro In. Skin. Sup for Intercochum
Cremaster muscle Infundib for
peritonum the 6 Cylindrical
Tunica Papiralis Consume
a Coating of Inter Cel / Cremaster
& Infundibulum

5 Parts of Strutting Int & Ext
Mouth of each neck Superior
Mouth of Conjoined Tendon
In cases of delayed and succeed putrifier
behind ~~felid~~ & snakes ~~tenes~~ in the
abdominal muscles & open the rings

Chas. J. Sumner

4th General - Where intetine goes through
the omental Ring - Nothing to do with Intestinal
generally happens in the female. Description of parts
into 3. the parts below. 1st part into 2 parts just beneath that 3 parts are
within the cavity. 1st Tegument, characterized by delicacy. 2nd Superficial
fascia (having lymphatic glands & pudic artery). 3rd Fascia Lata
divided into 2 parts. Partionial & pectineal. In a angle of
junction is Saphena vein. The fascia where lets Saphena
out on outside is crescentic called the 4th Lig. Has double
edge. inserted along with Gimbernato Lig. then comes
to sheath of vessels.

Under Porpanto we have Cural sack. Boast & Iliac
muscles. the vein & artery & Cural ring wh. is occupied
by gland & fascia propria. Ring bounded Inside by lig
outside by vein Anterior below by bone above
porpanto. gland and cellular tissue fascia propria
and Inside we look at sheath of vessels like a compressed
spoon. In pelvis have peritoneum. & Ant the fascia
Transversalis post the f. Iliaca. Then f. femoralis
strong Attach. to Porpanto rendering it impossible
for Hernia to get out there. Epigastric artery and
is anterior sometimes Obduatiz. Cut up toward
above. The gut pushes over the fascia propria
& than Strictures. At mouth of sac. f. lig
hinal sac. falciform process here but at the
Culppm. f. an covering to a f. h. then f. fascia
fascia propria & Hernial Sac. and
round the ring and if cut in any direction
to the gut or omentum or both will push down the
fascia propria and. Stricture in one of 5
places. At Gumb big mouth. Sac and
may have in Sac

II. FEMORAL OR CRURAL HERNIA.

Definition. *When hernia goes through crural ring*

Sex most liable.

Varieties. *Oblique or concealed.*

Anatomy of the parts concerned in femoral hernia.

Mode of formation.

Seat of Stricture.

Symptoms.

Diagnosis.—May be confounded with—1. Inguinal hernia. 2. Bubo. 3.

Varicose femoral vein. 4. Psoas Abscess. 5. Fatty tumour. 6. Aneurism.

Prognosis.

Dissection of the tumour.

Treatment.

CONCEALED FEMORAL HERNIA.

Definition.

Mode of formation.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

III. UMBILICAL HERNIA.

Definition.

Synonymes.

Varieties —1. Congenital. 2. That of young persons. 3. That of adults.

Exact point of protrusion.—Depends somewhat on the age of the individual.

Contents of the hernia.

Form.

Size.

Symptoms.

Diagnosis.

Prognosis.

Dissection of the tumour.

Treatment.—Modified to suit the age of the individual.

IV. VENTRAL HERNIA.

Definition.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

V. PUDENDAL HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

VI. VAGINAL HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

VII. PERINEAL HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

VIII. THYROIDAL HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IX. VESICAL HERNIA.

Definition.

Causes.

Symptoms.

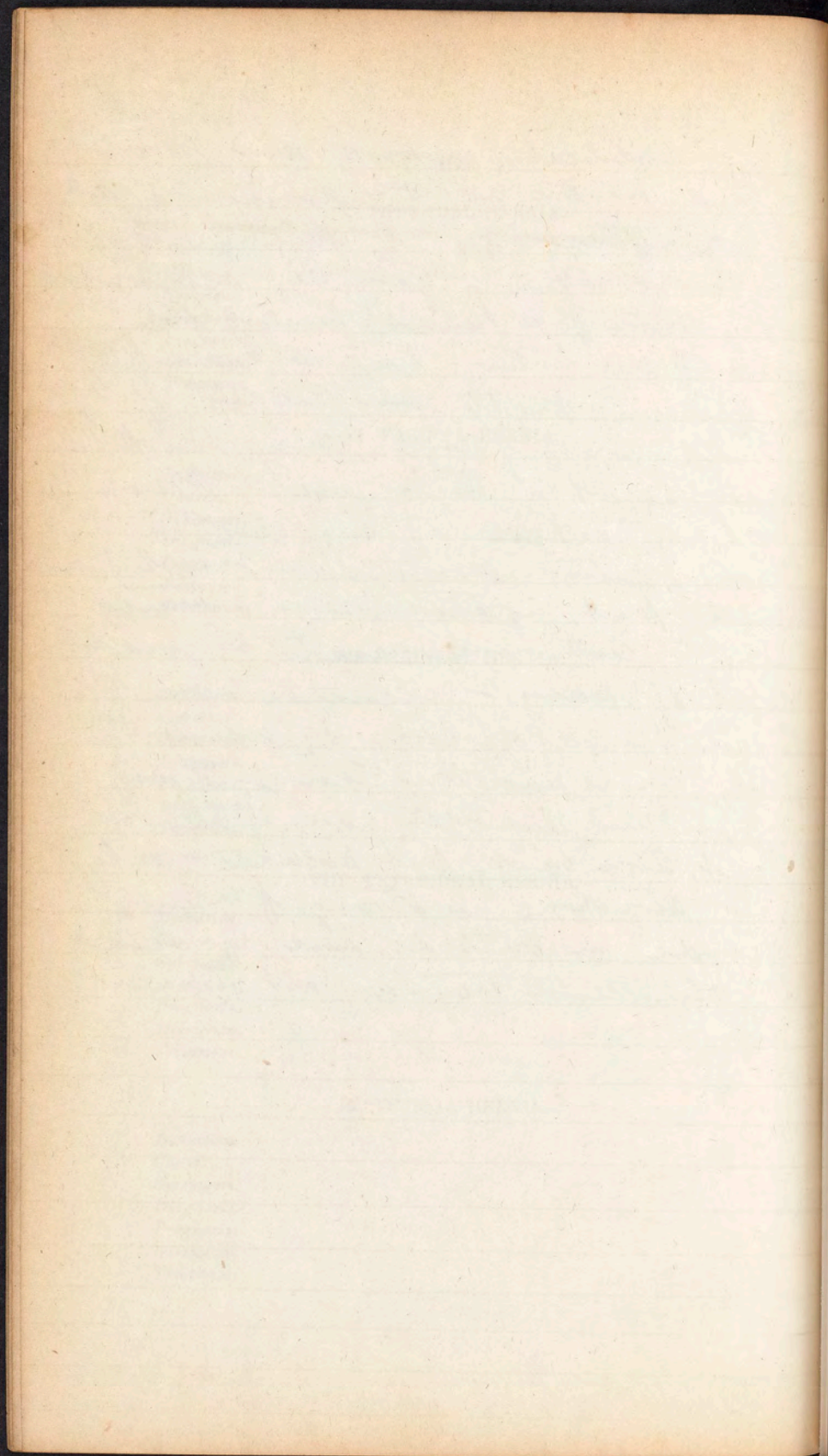
Diagnosis.

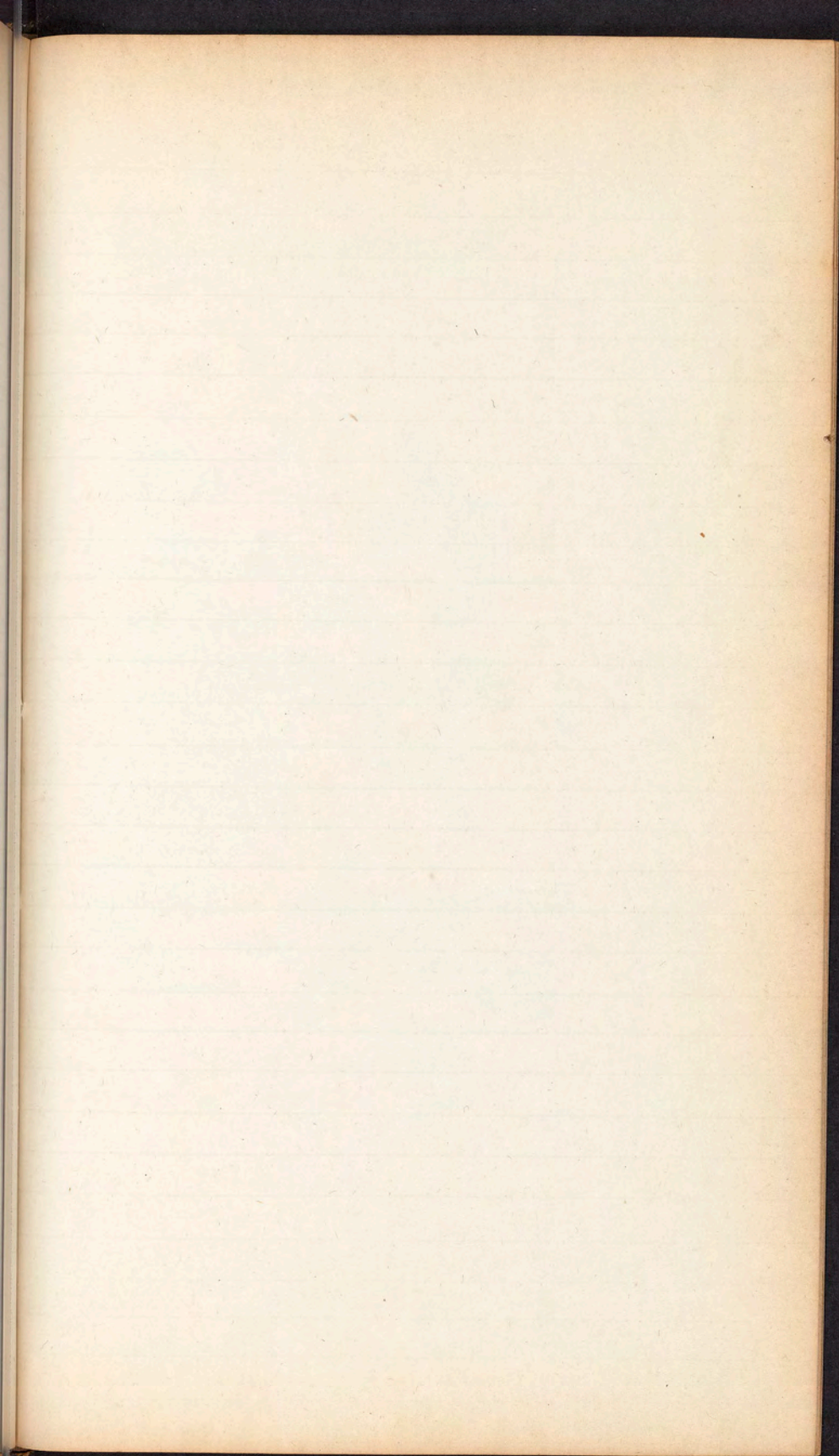
Prognosis.

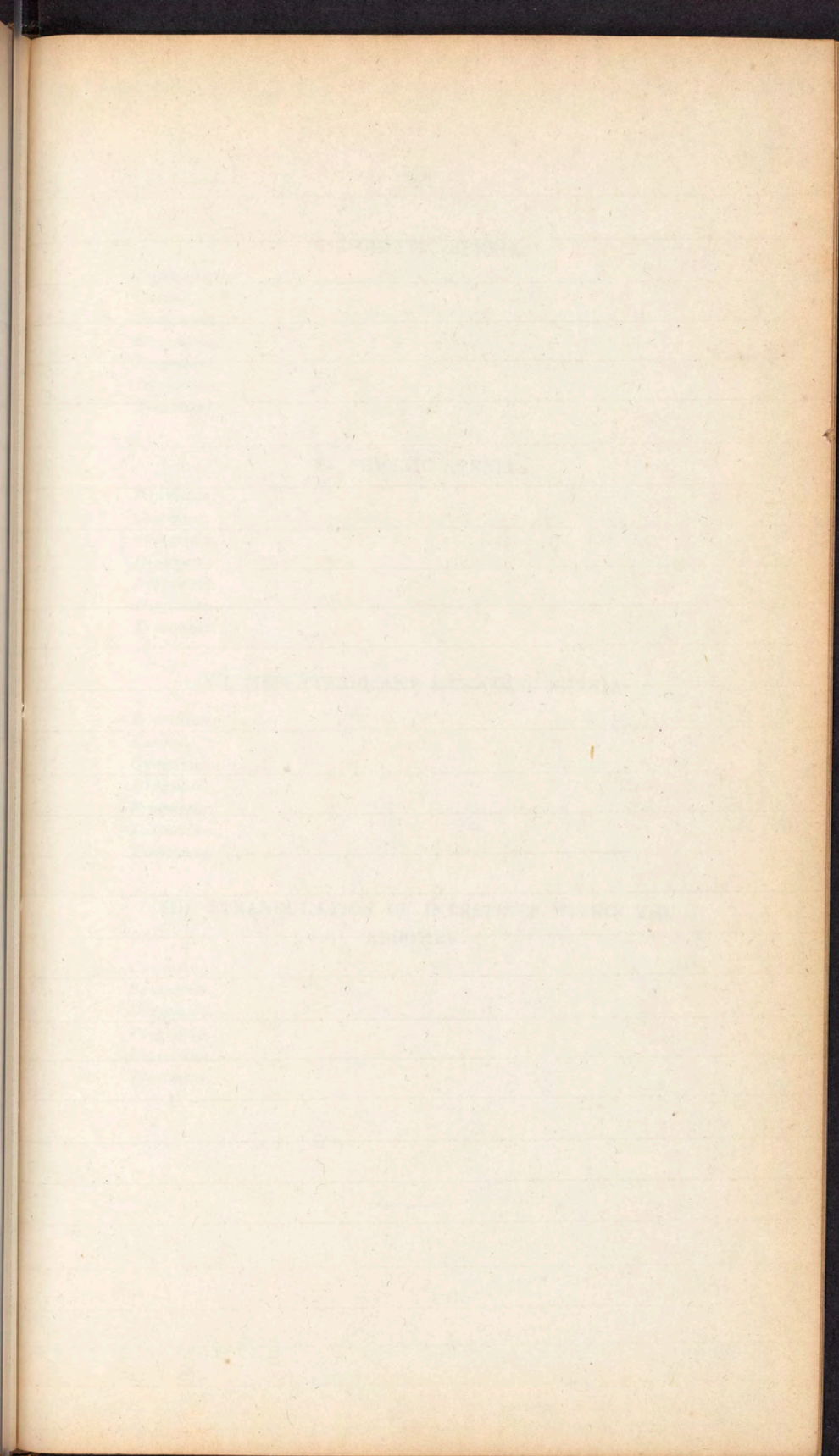
Dissection.

Treatment.

Umbilical. at Birth and young
and in the adult - diagnosis - at
Birth external Ovary - by constituents of
cord on skin - generally accompanied
by taking a hemispherical body
covered by lotion - keep it down by
adhesive plaster and Binder. If
Child 2 yrs of age - diag simple
may resort to lig. use a Round
body attached to an elastic
strap (return protrusion pinch sac
and put ligature round 3 times
here to cut sac - create a great
deal of pain - ulceration takes place
and slough off sac - In adult the
only one is pad and Spring - If very
large and diminish cav. of abdomen
don't turn back but palliate - only
one stricture or strang if recent
divide on outside sac if recent
of old keep - the sac out till cut it







X. ISCHIATIC HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XI. PHRENIC HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XII. MESENTERIC AND MESOCOLIC HERNIA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XIII. STRANGULATION OF INTESTINES WITHIN THE
ABDOMEN.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

XIII. INJURIES AND DISEASES OF THE ANUS AND RECTUM.

IMPERFORATE ANUS.

Definition.—Congenital occlusion of the natural orifice of the rectum.

Varieties.—*a.* Simple contraction.

b. Closure by a thin membrane.

c. Termination of the rectum in a *cul-de-sac*, no vestige of the anus being present.

d. Termination of the rectum in other organs.

e. Formation of a septum above, while the anus itself is open.

Causes.

Symptoms.—Depend on the nature of the defect.

Diagnosis.—Has been confounded with colic, &c.

Prognosis.—Depends on the form.

Treatment.

Treatment when the usual operations cannot be performed.—Various operations for artificial anus.

WOUNDS AND LACERATIONS OF THE ANUS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

INFLAMMATION OF THE ANUS.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABSCESS OF THE ANUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

PRURITUS.

Definition.

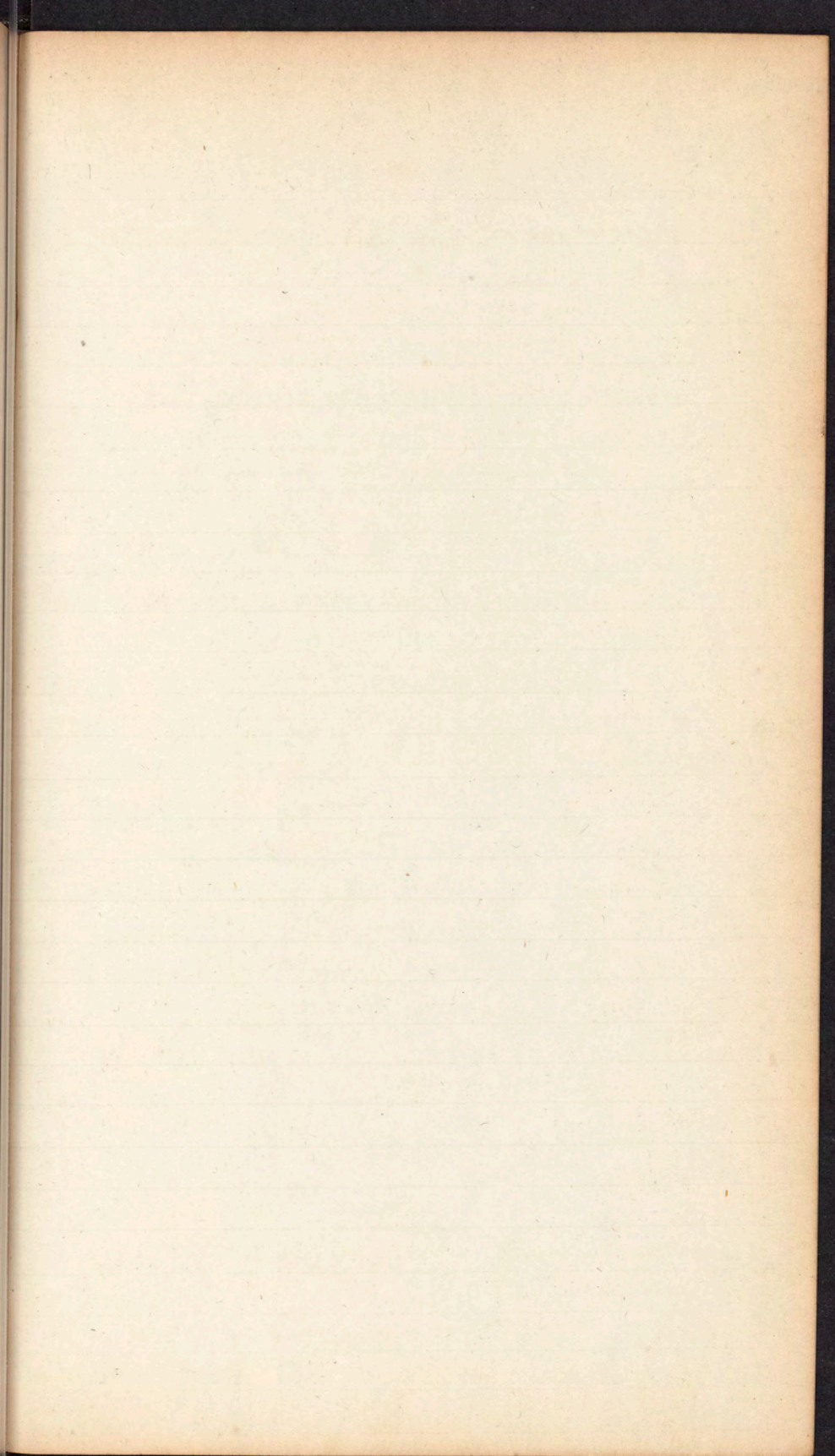
Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.



THE HISTORY OF THE CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME

BY SAMUEL JOHNSON

IN TWO VOLUMES

VOLUME I

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

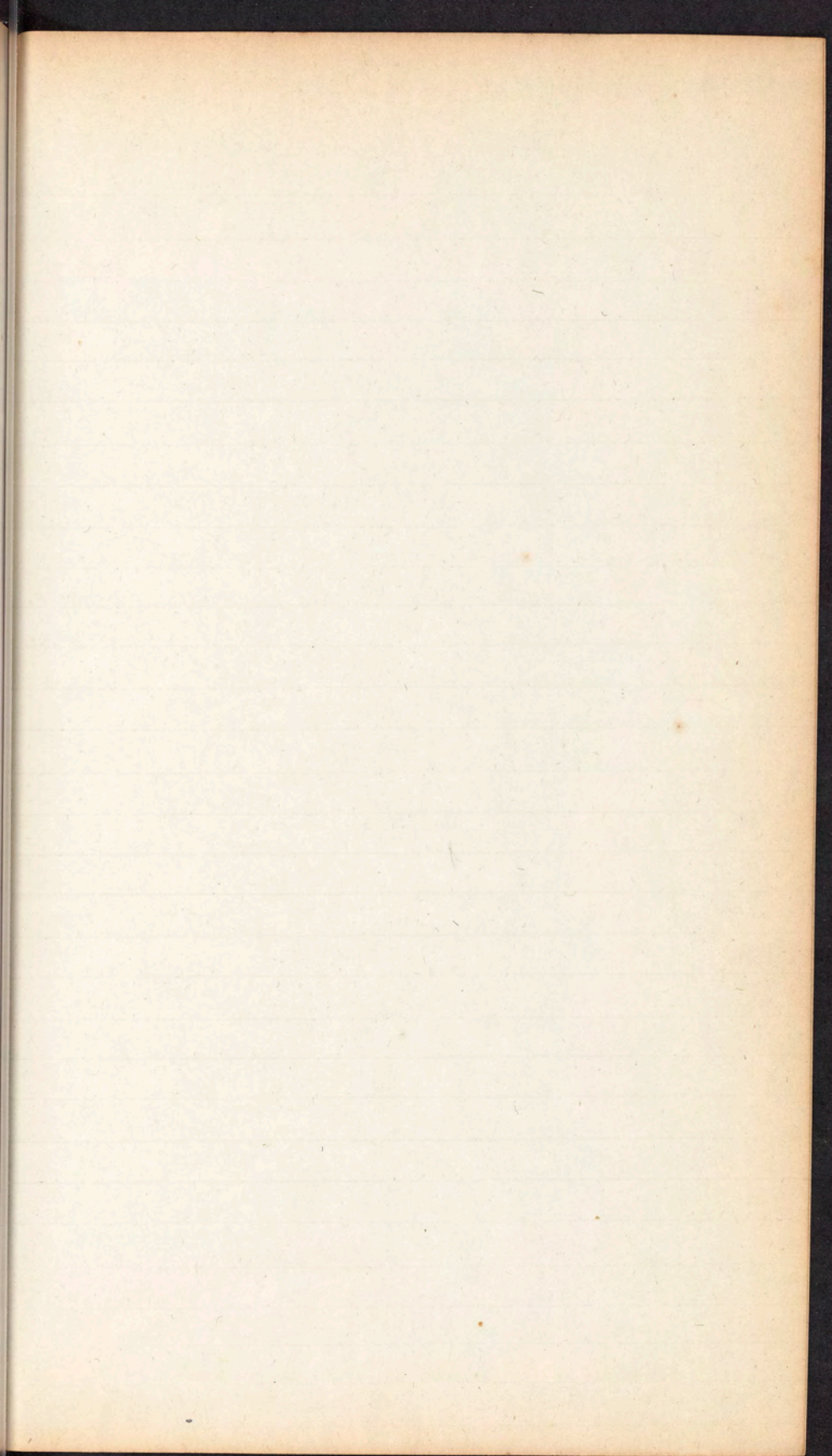
THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT

THE FIRST SETTLEMENT



1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

1886

1887

1888

1889

1890

1891

1892

1893

1894

1895

1896

1897

1898

1899

1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

1911

1912

1913

1914

1915

NEURALGIA OF THE ANUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SPASM OF THE ANUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ATONY OF THE ANUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

BLENORRHAGIA OF THE ANUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HÆMORRHAGE FROM THE ANUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ORGANIC STRICTURE OF THE ANUS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

TUMOURS OF THE ANUS.

Varieties.—Verrucæ, condylomata, &c.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SCHIRROUS OF THE ANUS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ULCERS OF THE ANUS.

Varieties.—*a.* Common ulcer. *b.* Aphthous ulcer. *c.* Venereal ulcer.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISSURE OF THE ANUS.

Definition.

Causes.—Constipation, piles, hard fœces, mechanical injuries, spasm of the sphincter, &c. &c.

Symptoms.

Diagnosis.—Often confounded with neuralgia, sacs, &c.

Prognosis.

Persons most liable.—Women from their sedentary habits.

Progress.—Generally slow; may be rapid.

Extent.

Treatment.—Various methods employed :

a. Washes and ointments of various kinds.

b. Dilatation.

c. Incision of sphincter.

d. Excision of fissure. (Mothe, Guerin, Velpeau, &c.)

POUCH OF THE ANUS.

Definition.

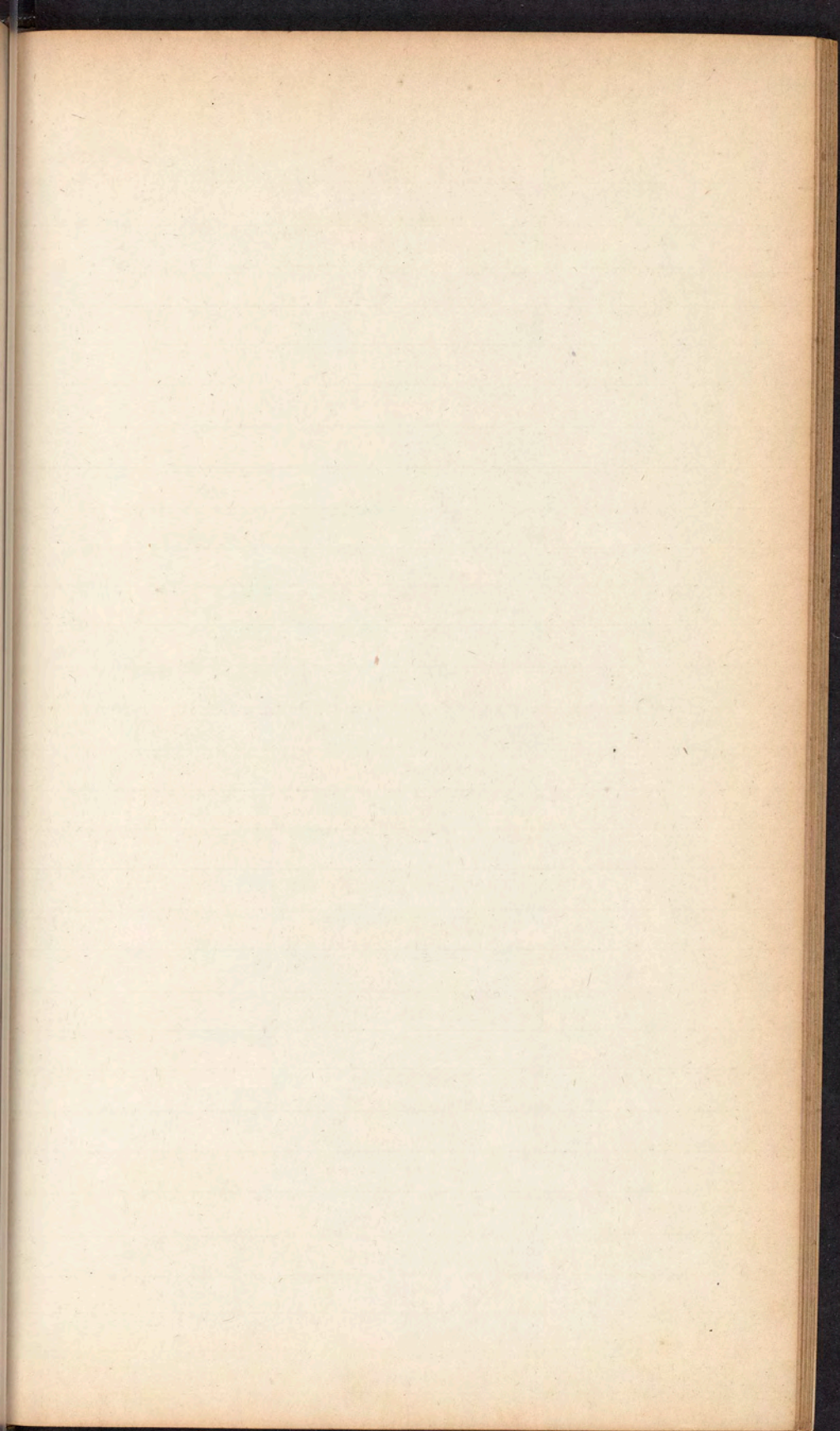
Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.



CHAPTER I

THE first part of the work is devoted to a description of the various species of the genus *Canis*, which includes the wolf, the dog, and the jackal. The author gives a detailed account of their habits, their range, and their uses to man.

CHAPTER II

THE second part of the work is devoted to a description of the various species of the genus *Lynx*, which includes the lynx, the leopard, and the panther. The author gives a detailed account of their habits, their range, and their uses to man.

CHAPTER III

THE third part of the work is devoted to a description of the various species of the genus *Felis*, which includes the cat, the leopard, and the panther. The author gives a detailed account of their habits, their range, and their uses to man.

CHAPTER IV

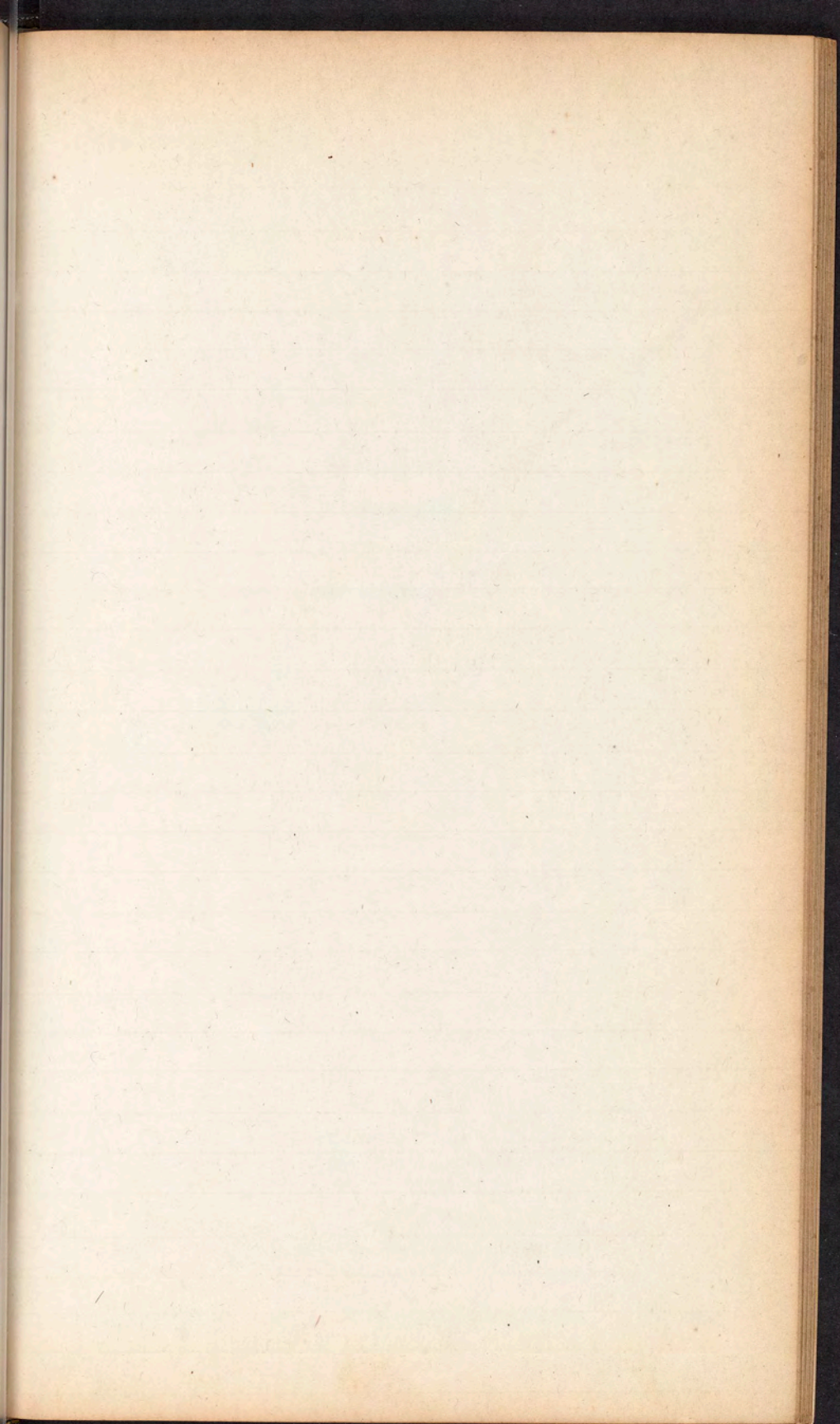
THE fourth part of the work is devoted to a description of the various species of the genus *Panthera*, which includes the lion, the tiger, and the leopard. The author gives a detailed account of their habits, their range, and their uses to man.

CHAPTER V

THE fifth part of the work is devoted to a description of the various species of the genus *Ursus*, which includes the bear, the brown bear, and the black bear. The author gives a detailed account of their habits, their range, and their uses to man.

CHAPTER VI

THE sixth part of the work is devoted to a description of the various species of the genus *Martes*, which includes the marten, the fisher, and the polecat. The author gives a detailed account of their habits, their range, and their uses to man.



PROLAPSUS ANI.

Definition.

Varieties.—1. External. 2. Internal. 3. Prolapsus of the mucous membrane alone. 4. Prolapsus of all the coats of the intestine, (doubted by some.) 5. Reducible. 6. Irreducible.

Causes—1. Predisposing. 2. Exciting.

1.—*a.* Childhood and old age. *b.* Constitutional relaxation. *c.* Want of tone in the muscular apparatus of the anus. *d.* Debility of the whole intestine. *e.* Peculiar arrangement of longitudinal fibres of the rectum.

2.—*a.* Constipation. *b.* Lodgment of foreign bodies in the rectum. *c.* Piles. *d.* Ascarides. *e.* Drastic purgatives. *f.* Prolapsus uteri. *g.* Stricture. *h.* Stone in the bladder. *i.* Violent coughs, &c.

Extent.—Varies in different cases.

Symptoms.—Depend on the form of displacement.

Diagnosis.—Piles, &c.

Prognosis.

Treatment.—Indications. 1. Return the protruded part. 2. Maintain it reduced. 3. Remove the cause of prolapsus.

Mode of returning the prolapsus.

Measures employed under the second indication.—*a.* Laxative diet. *b.* Voiding fæces in the erect posture. *c.* Astringent washes and ointments. *d.* Pressure. *e.* Pessaries. *f.* Cold douche. *g.* Ligature of small folds of the mucous membrane, (Heavyside and Howship.) *h.* Excision of radiated folds, (Hey and Dupuytren.) *i.* Excision of a circular portion of mucous membrane, (Sabatier and Ricord.) *j.* Excision of a portion of the external sphincter, (Robert.) *k.* Radiated incisions and the nitrate of silver, (Coates.) *l.* Caution, (Chesselden.)

Measures employed under the third indication.

Treatment of irreducible prolapsus.

PROLAPSUS OF THE RECTUM.

Definition.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISTULA IN ANO.

Definition.—A suppurating cavity of greater or less extent, situated in the neighbourhood of the anus and rectum, discharging by one or more orifices, either externally or into the gut, the walls of which it is very difficult to cause to adhere.

Causes.—Any cause, constitutional or local, calculated to produce inflammation in the cellular tissue surrounding the anus or rectum, may give rise to Fistula.

Varieties.—1. Incomplete or external blind Fistula. 2. Incomplete or internal blind, or occult Fistula. 3. Complete Fistula.

Course or direction.—Varies.

Number.—Varies.

Depth or extent.—Varies.

Seat of the internal orifice in Fistula.

Symptoms.—Vary with the variety.

Mode of examining the anus, for the detection of internal Fistula.

Diagnosis.—May be confounded with the urinary fistula, when external. Occult fistula may be confounded with *sacs of the rectum, internal piles, ulcers, hlenorrhagia, &c.*

Prognosis.—Varies in different cases.

Causes which prevent closure of the Sinus, and which must be overcome.—

1. The action of the sphincter and levator ani muscles. 2. The surfaces becoming callous. 3. Lodgment of pus. 4. The passage of fecal matter through the fistula.

Treatment.—Various plans of treatment have been employed, and frequently constitutional as well as local remedies are required.

1st. or Constitutional.—Modified to suit the case.

2d. or Local—

a. Baths, mineral waters, &c.

b. Caustics and cautery.

c. Compression—excentric and external.

d. Ligature.

e. Incision.

f. Excision.

After treatment when operations are performed.

Method to be preferred.—Depends on circumstances.

PILES.

Definition.

Varieties.—1. Blind. 2. Open. 3. External. 4. Internal.

Causes.

Sex most liable.

Class of Society most liable.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.—1. Palliative. 2. Radical.

WOUNDS OF THE RECTUM.

Varieties.

Causes.

Symptoms.

Diagnosis.

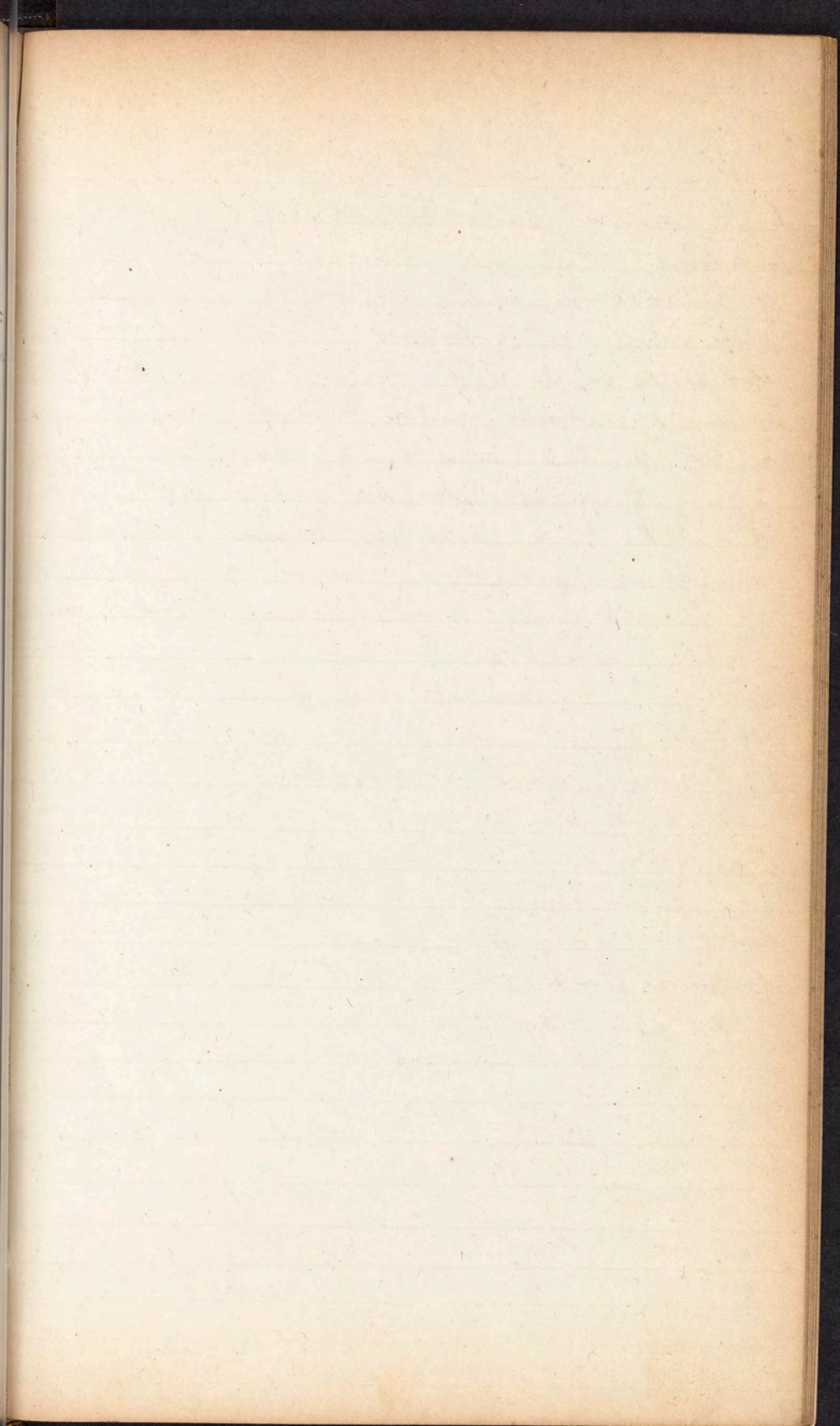
Prognosis.

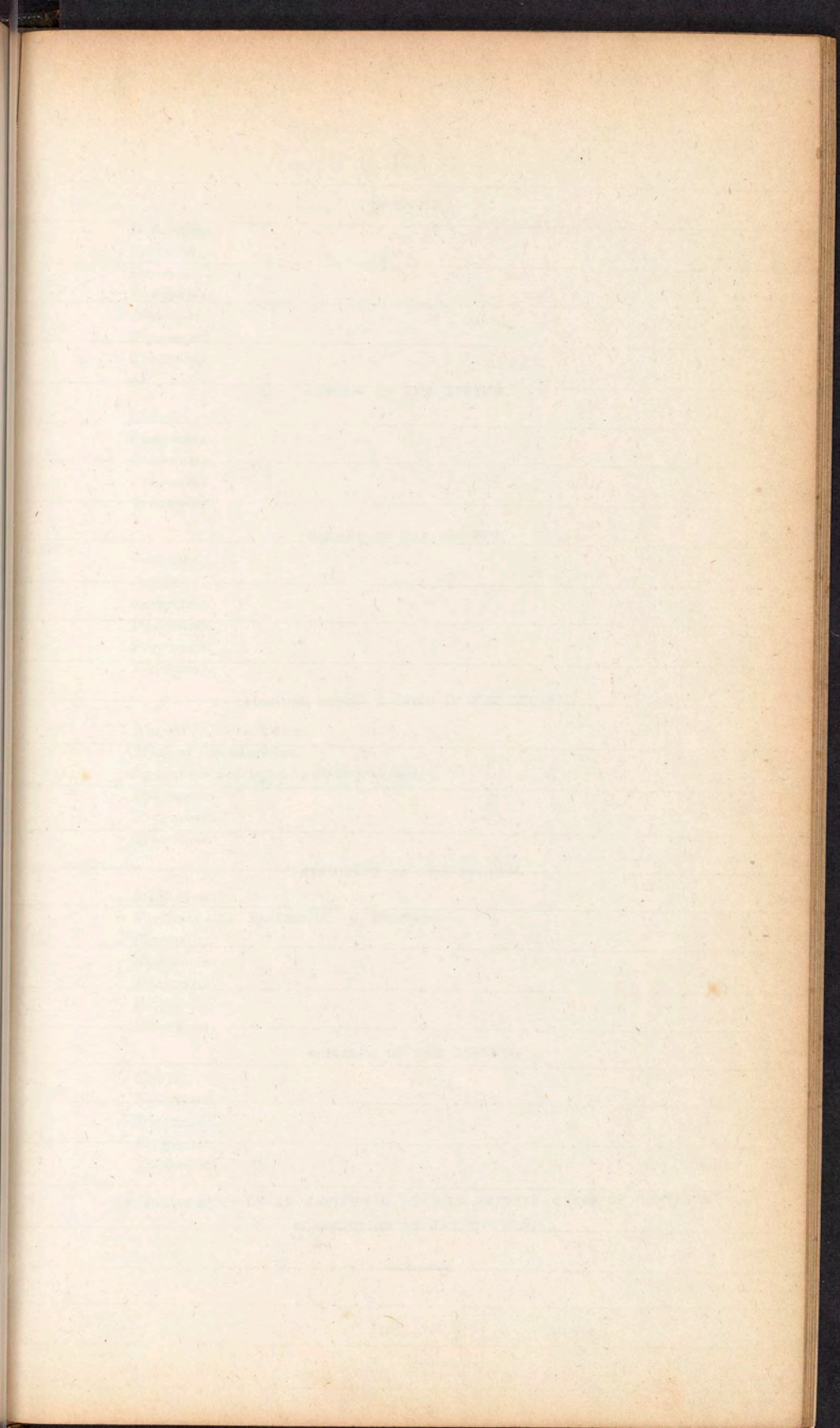
Treatment.

Piles - The diagnosis must be made
by sight, with Speculum - or by straining
forcing tumors out of Sphincter Ani -
Lymph - Sometimes have discharge of blood
varying from a few drops to a pint
and a sense of fullness in rectum
and if constitution is modified by the
loss of blood must interfere to save
the life of patient - Some cases let
him be - as in Apoplexy - of Brain
being - attacks of Piles - Simply an
inflammatory attack based on the
presence of Piles - never leave Piles
strangulated - 1 dilated vein - 2
Fleshy pile in centre small artery
or vein - 3 Excitable pile - always into
commonment - 4. Result laceration
of capillary vein when open into
rectum forms - the sac in rectum
Never cut into a tumor where can
squeeze out blood

Palliative Treat use infus cold
water. Evacuate bowels very quick
never let him overexert at night
simple diet - Administration of Lac
every night and Balsam Copaiva
If Bleeds this wont do - must use strong
cold water - strong app - Solution of
Iodine - a grain per os in
Rhotinny -

Rad. I. depends on kind - If
have hard bloody tumor - cut
out pile - only in this one case -
If see acute inflam. warm or cold
palliate first - attempt to put in rectum
when get back If tumor solid cover skin or
mucous membrane cut off after passing
needle through and let thread out
so as to pull out, (only safety in
these bleedings, pull out and tie
vessel or apply actual cautery
If have erectile tumors don't cut off
apply ligature Nitric acid pull tumor
down Keep it out minute wash
alkaline solution or strangulated
the tumor cauterize - wash tumor
with vinegar and push back
Open Leg - Put force tumor down
put wire one end. Strangulate
cut the skin - if any covers and
let wire - pass needle th let canula
remain on 48 hours -





RECTITIS.

Definition.
Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ABSCESS OF THE RECTUM.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ULCERS OF THE RECTUM.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FOREIGN BODIES LODGED IN THE RECTUM.

Nature of these bodies.
Made of introduction.
Symptoms developed by their presence.
Diagnosis.
Prognosis.
Treatment.

STRICTURE OF THE RECTUM.

Definition.
Varieties — 1. Spasmodic, 2. Permanent.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SCIRROUS OF THE RECTUM.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ESTABLISHMENT OF AN ARTIFICIAL ANUS IN CERTAIN CASES OF COMPLETE
OBSTRUCTION OF THE RECTUM.

XIV. INJURIES AND DISEASES OF THE URINARY APPARATUS.

Under this head is included all the affections of the Kidney, Ureter, Bladder, Perineum, Prostate, and Urethra.

I. AFFECTIONS OF THE KIDNEY.

WOUNDS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

NEPHRITIS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ABSCESS IN KIDNEY.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PYELITIS.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HÆMATURIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

Wounds of Abdomen Superficial where the viscera or peritoneum is not injured - penetrating where sharp instrument may go through the abdomen and penetrate every thing within. In slight wounds of intestine if only third of an inch long put back without stitching if longer don't put back without sewing with glover suture where cut across some say make artificial anus - Randolph incriminated not very good because mucus and serous surfaces ~~don't~~ but others advising to operation by putting hollow cylinder don't use it - two operations recommended by Guthrie - Lambert was not to give - 4 times to intestine serous muscular fibro cellular and mucus pass delicate needle armed with thread bring in contact 2 serous surfaces (the open of Lambert) Pass the needle through ends of intestine the suture and by approximating the edges together the edges thus brings in contact two serous coats - don't put the threads too close Lamberts open - differ in not putting tissue through mucus membrane In closing external wound never put a suture through muscular punctured only through skin if do it leave spongy

Stomach 3 kinds - 1. without external wound. 2. Small punctured wound
3. Lacerated and small ext wound
4. where portion of stomach carried away
- When called see if has laceration
or if mere prostration if has laceration
has vomit and also vomit blood -
In a 15 minutes the whole abdomen is
distended and excessively tender

Prognosis - Very grave - danger is
peritonitis sometimes the effusion of
plasma so rapid ~~and~~ that nothing

Treat - Peritonitis chief danger
use active antiphlogistics such
with sag recumbent posture
Animal better operate by incision
Inflam - touch cups

If stabbed the contents come out
Don't dilate wound no authority -
put patient on face or side let
the blood run out - when stops
close the ext wound - If hemorrhage
is great stop by bleeding to
syncope - If small wound ext
and suppose some symptom of
prostration - escape of contents -
dilate wound so as to avoid
wounding cut away the stricture
and sew up the stomach - Sew up
external wound patient on his
face

If have a large portion taking away
may be sent only on sewing but
let your stitches go through the abdom-
inal to prevent it moving about - open
great short anchor - at 5-day open the
wound by Inspection -

Intestine - Same classification -
can find out no first Immense Lymph-
atic was a nature of blood great pain
and shock - never cut open Abdomen
antiphlogistic - In ext wound have
flues escape of Sulph Hydrogen -

Treat - If gun shot wound is cut
cut wound on dependant - position
In gun shot water dressing as must
though in clean cut close with shot
and adhe some plaster - look out here
for suppuration - Where intestine is
wound if can feel it or see it draw
out and sew it up - if can't close
external wound partially and put on
a poultice may have fistula -

Lacer - considered very fatal - may be
torn by blow without external wound
diagnoses - if I live he lacerated pulse
less pain in right shoulder extreme
prostration faintness - Treat
Bleed him if possible - Inflammation
Treat - wounds of gall bladder
have recovered but generally
die - prog cautious -

Wounds of Spleen - 3 kinds - very dangerous. Laceration indicated by great prostration great internal hemorrhages make him faint - bleed him by cupping - an accumulation of blood often gives rise to intense peritonitis - If that direction of wound profuse hemorrhage show nature of wound at once don't dilate rely on internal remedies. If protrusion and no wound push back if lacerated and torn cut it off tie up blood vessels look out for peritonitis Wounds of large vessels - get hold of vessel and tie - If wound penetrates and great prostration turnid abdomen put finger in wound and if can feel it hold it and don't let go, dilate wound and tie up - If aorta dead in a minute -

Concussion of Abdomen - From severe blow - usually concussion of Solar plexus, prostrated, sleepy, pulse full cold skin - if no vomiting only leeches Great Boiling or reaction put him in a warm bed mustard plaster infect brandy water up the neck

Tumours - See superficial where tumor is between the abdominal wall and peritoneum - If circumscribed tumor not painful arising from blow prob a fatty tumor or if a tumor comes from a blow and fluctuating generally pus If hernia, can make it disappear by groove needle - If fibrous tumor make not inconvenient if don't move

lethal danger from erysipelatos
or puerperal inflam - If very large
take the risk - If peritonium contains
water close the wound if size of fish
go on cut out peritonium - If patient
comes with swelling of belly, may be pregnant
may different complication of Schirrus
Ovarian tumors on or both ovaries when
circumscribed and smooth or nodular
may be fixed or not may fluctuate
or not if movable diagnosis easy
if fixed no one can tell what it
is. If cut in & tumor has formed.

Extensive adhesion the patient will
die - very often they are embedded
or stuck in large blood hemorrhage
another danger of Peritonitis - Opinion
of best surgeons say not cut out
If tumor small person young and
female may cut out - generally safe
for years in ovarian tumors - Two
operation greater and lesser one
laying open the whole abdomen
lesser - small incision size tumor
draw it to surface take it out
fluid draw out see the it and put
back after it slough off

Fistula - in small cases apply
tissues to keep the faces from flowing
in larger part the edges close
the wound - But confound with
artificial anus

gastrostomy - Patient's Swallowing
large body & giving rise to great
inflamm. - if can pull it take
it out make an incision and get
down to stomach take ^{out} by small
orifice - Pumping out stomach
only useful in cases of most
corrosive character - To introduce
the tube place patient in sitting
position - have finger under push
tongue back and push tube down
throw down warm water and
draw it out

ALBUMINURIA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

DIURESIS SIMPLEX.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

DIURESIS UREOSA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

DIURESIS SACCHARINA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

DIURESIS CHYLOSA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

DIURESIS SEROSA.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

SUPPRESSION OF URINE.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

URINARY CALCULI.

Definition.

Forms assumed by Calculus Matter.—*a.* Amorphous sediments. *b.* Crystallized sediments or gravel. *c.* Solid concretions or Stones.

1. *Amorphous Sediments and Gravel.*

Lithic Sediments—

a. Yellowish sediment.

b. Red or lateritious sediment.

c. Pink sediment.

Crystallized Lithic Deposites.

a. Red gravel.

Oxalic Acid Deposites.

Phosphatic Deposites—

a. Triple Phosphate, or Phosphate of Ammonia and Magnesia.

b. Phosphate of Lime.

c. Mixed or fusible Phosphates.

2. *Stone or Calculus.*

Varieties.

a. Lithic acid.

b. Lithate of ammonia.

c. Phosphate of Lime or bone-earth.

d. Phosphate of Ammonia and Magnesia, or Triple.

e. Phosphate of Lime and Ammonia, and Phosphate of Magnesia, or mixed Phosphate, or Fusible.

Urinary Calculi - are stones developed by salts which exist naturally in the urine though sometimes they are found to consist of those which generally do not exist in the urine. Hence the key to the treatment is to modify the urine. Most of calculous deposits are formed originally in the kidney and they go to the bladder in the form of sand they may be contained however in the kidney, ureters bladder, prostatic gland or Urethra Causes predisposing & local - 1. Sex - the male urethra from its turnous course is liable to retain the urine in the little sacs - 2. Race, hardly ever found in the negro - 3. almost peculiar to very young or very old subjects. 4. diathesis runs in families some in which every member is troubled with stone, this gives an important indication for treatment and always in deavour to remove the diathesis by change of diet climate water &c - 5. This is a disease of the temperate zone Not near as often finding it in hot or very cold climate the reason of this very obvious for the close relation existing between the Skin and Kidney causes the latter to sympathize whenever an eruption occurs in the Skin by gradation of temperature - hence in climates constantly cold the two have time to accommodate themselves the same takes place in in hot climates - but in temperate countries where changes in the weather are very sudden the this mutual accommodation cannot take and hence it acts as a predisposing cause of stone & Made of life this is a disease of the rich in consequence of their luxurious habits and insolent temperamental - inducing constant disorder in

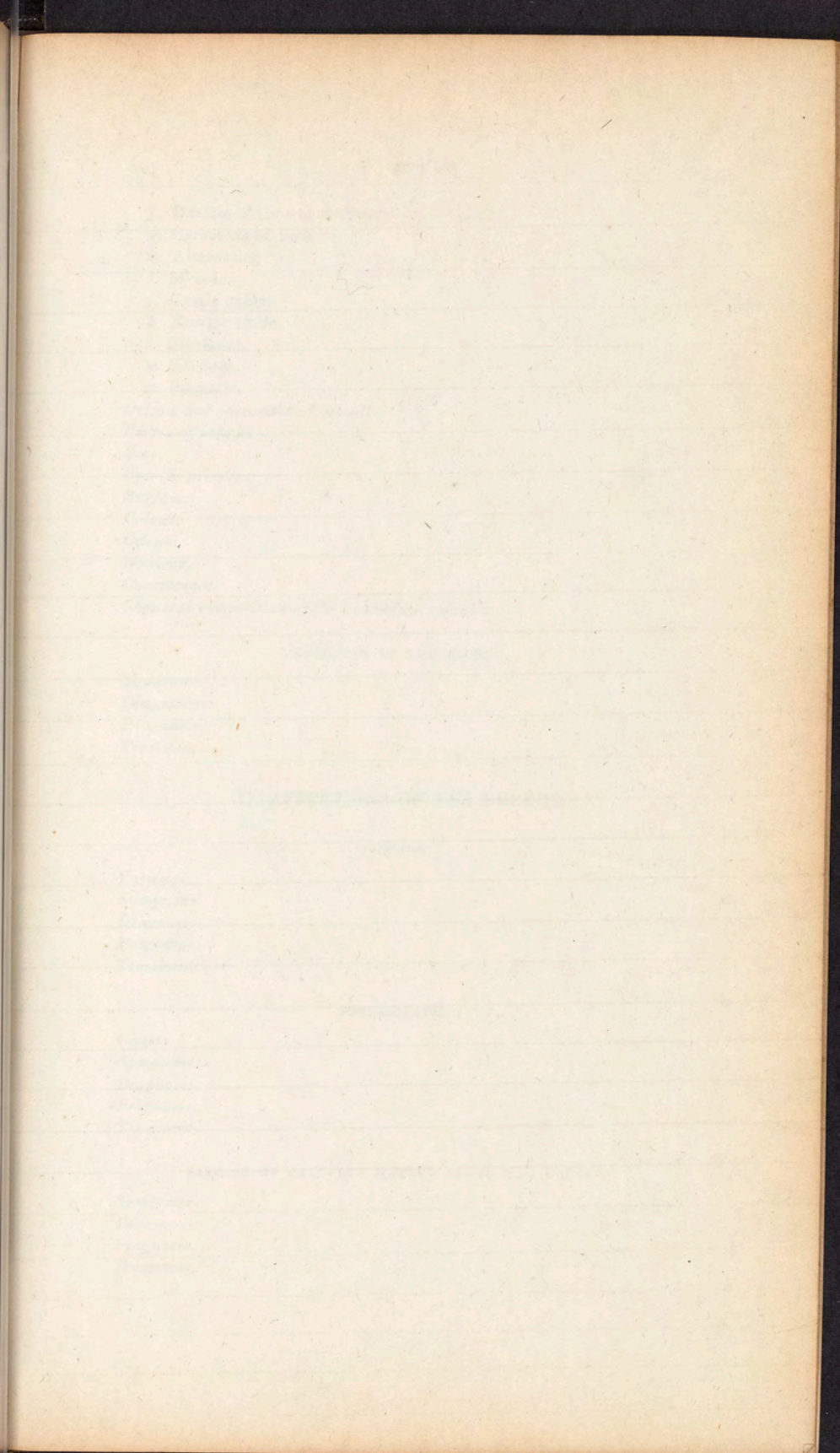
the digestive apparatus and weakening the habit of body. Water - Limestone regions furnish a great number of cases, and hence many surgeons suppose the water to be a predisposing cause, the probability is that other causes have existed in these regions, not known to us - for this in some districts of this nature the no of affected persons is very great - yet in others we can find only isolated cases capable of being referred to other causes - Dyspepsia will cause it by inducing sympathetic disorder of the urinary apparatus - We may have deposit of lactic acid after urinating must not be alarmed by this deposit (red or white) give mercurial pill regulate the diet will stop its devel

Local Causes - Stricture of the urethra by preventing the bladder from being perfectly evacuated retention of the remaining urine causes the salts to be deposited and in this manner gives rise to stone. Enlarged prostate in the same way - Sac of the bladder by giving a nucleus will develop stone. Paralysis from any cause, will give rise to it, hence the ind in such cases to draw off the urine night and morning Chronic Inflammation by giving a nucleus as a drop of blood pus, lodgment of various bodies whether foreign or otherwise which serve as nuclei

Size of Stones - They vary from size of a mustard seed to very large size - the largest ever taken from bladder of a man weighed 44 oz. Vary in form this often indicating the kind - If they are rough looking like a chestnut burr In all probability they will be of calc of lime - Phosphatic stones are never rough but are the hardest and worst form Number ranges from one to 12000. Generally deposited around a nucleus in the form of lamina the laminae burr found to consist of different deposits - showing in consequence a striated appearance the Nucleus is not always in the centre but may be on one

Side. Some stones are formed without any nucleus.
by detrital Acid connected together by mucus according
to McCulloch -

[Faint, illegible handwriting visible through the paper, likely from the reverse side.]



- f. Oxalate of lime or mulberry.
- g. Carbonate of lime.
- h. Alternating.
- i. Mixed.
- j. Cystic oxide.
- k. Xanthic oxide.
- l. Fibrinous.
- m. Silicious.
- n. Prostatic.

Origin and increment of calculi.

Forms of calculi.

Size.

Specific gravity.

Surface.

Colour.

Odour.

Nucleus.

Consistence.

Chemical composition of the individual calculi.

CALCULUS IN THE KIDNEY.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

II. AFFECTIONS OF THE URETER.

WOUNDS.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

INFLAMMATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

PASSAGE OF CALCULUS MATTER ALONG THE URETER.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

STONE IN THE URETER.

Symptoms.
Diagnosis.
Prognosis.
Treatment.

DILATATION.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

III. AFFECTIONS OF THE BLADDER.

WOUNDS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

RUPTURE.

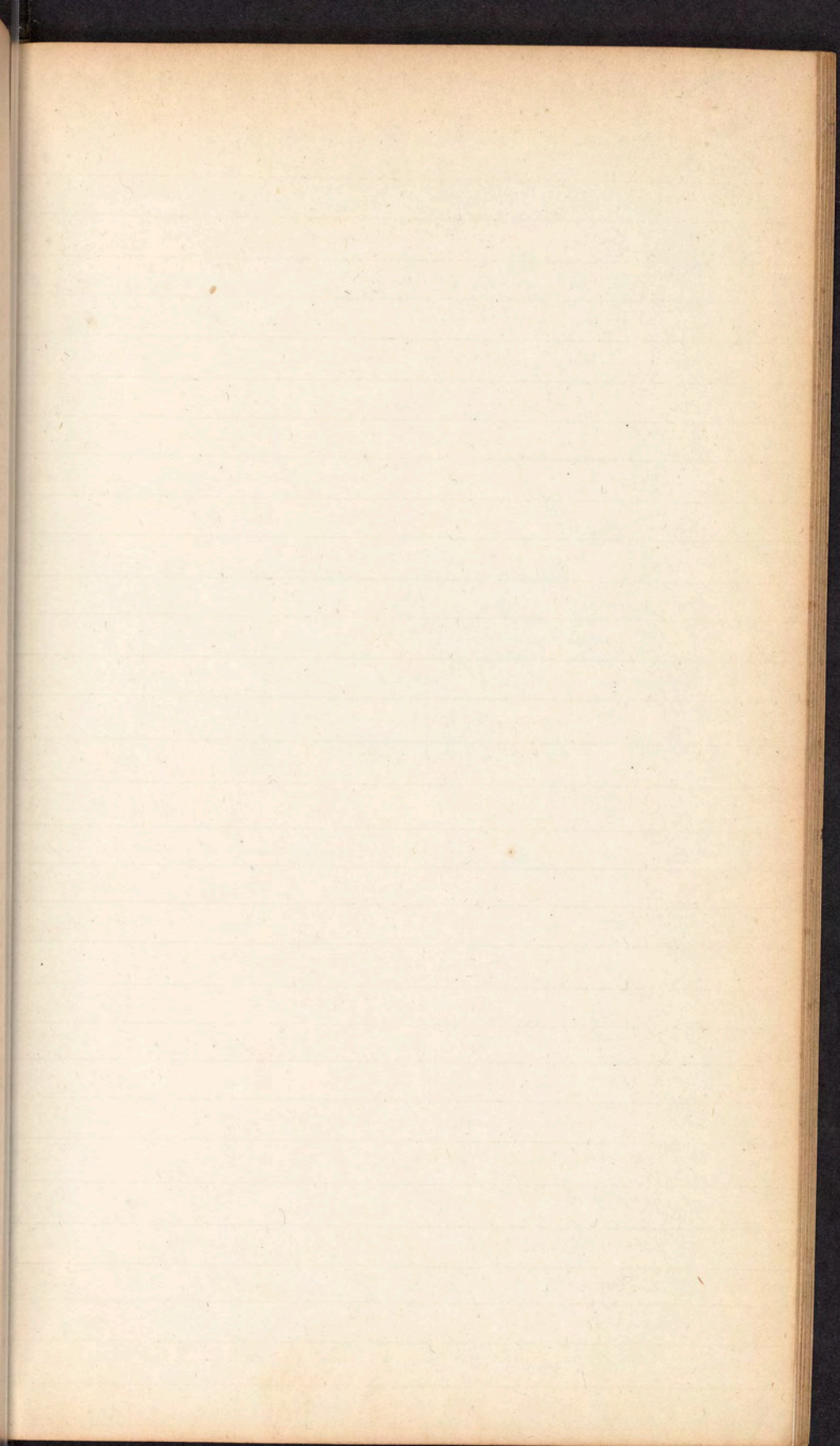
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.

ACUTE INFLAMMATION OF THE MUCOUS COAT.

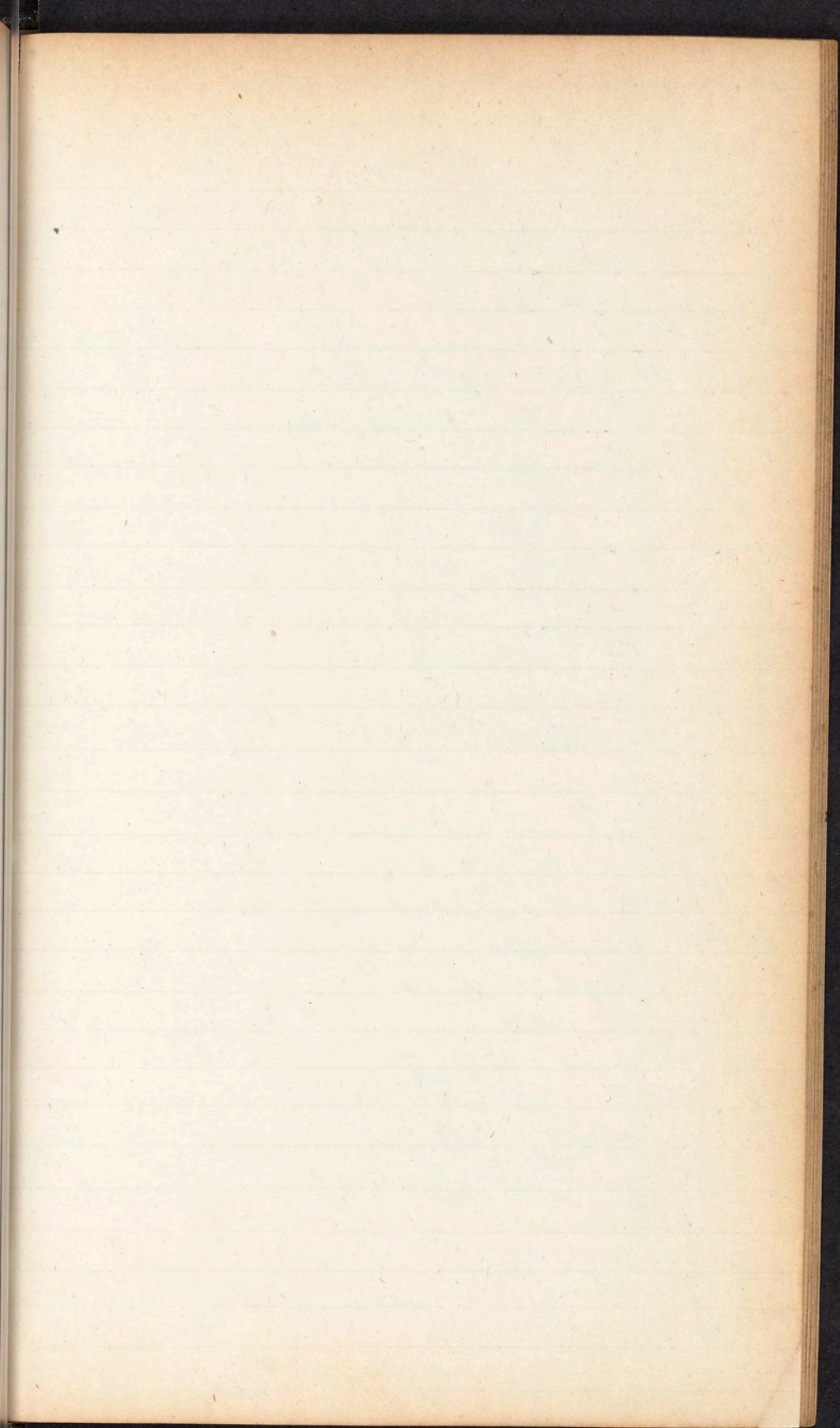
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

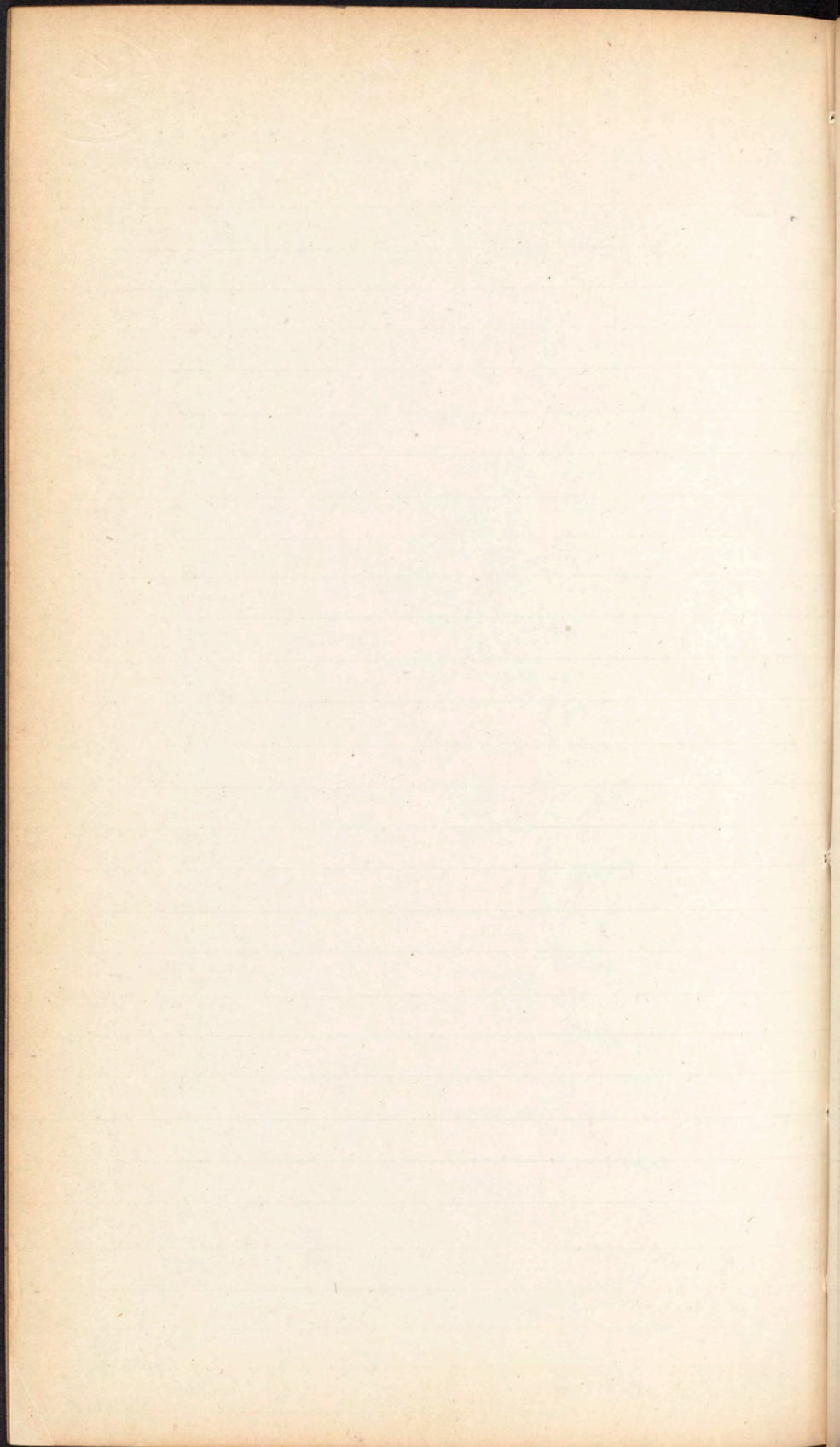
CHRONIC INFLAMMATION OF THE MUCOUS COAT.

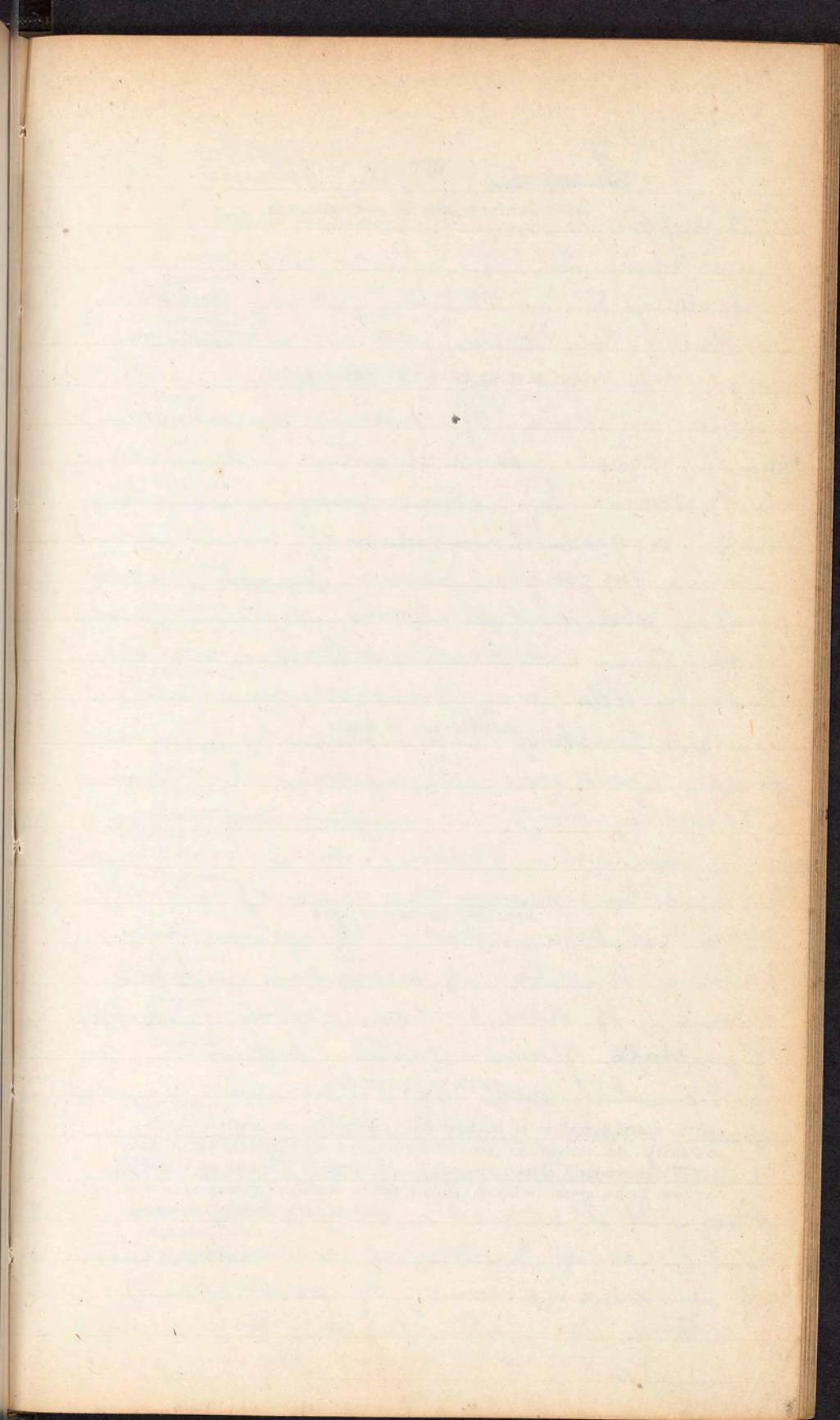
Synonyme.—Catarrhus vesicæ.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Dissection.
Treatment.



III. THE HISTORY OF THE







Retention

~~Causes~~ differ between Reten
and supp - 1. May be slow or sudden
by an injury - 2. Inf. 3. no inflame
sometimes this in dentition. (Moral Mutation
4. Mechanical Causes. Always ascertain
cause before we use treatment. generally
happens in male. If - find in female a
calculus - Moral - or a stricture, and in
Uterus - Symptoms vary - may be
sudden or gradual - and may be intermittent
Extreme agony no pain to be compared
swelling abdomen pain and swelling exists
for any time, with prostatic fever, and
can't be still, may be mistaken, a
constant dribbling takes place by being
forced out & depress. If he says I am
liable - by drink - &c - again goes away
in $\frac{1}{2}$ hour - it is spasm - and sometimes
the muscles perineum working - If he says
never had before - prob of young sub
prob - is stricture, if irregular in life
certain - If older person prob is enlargement
of prostate gland - bulby rectum - If
in female, ask if so ever cured by a
spasm if not sudden some mechanical
if intermittent - from faulty enervation.
Prog - If spasmodic and patient sub
can cure; if mechanical stricture
If an enlargement, of prostate gland
or thick of bladder can't cure only
palliate

INFLAMMATION OF THE MUSCULAR COAT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

INFLAMMATION OF THE PERITONEAL COAT.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

IRRITABLE BLADDER.

Definition.

Causes.—Teething, &c.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

SPASM OF THE BLADDER.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

PARALYSIS OF THE BLADDER.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Dissection.

Treatment.

RETENTION OF URINE.

Definition.

Causes.—Paralysis of bladder. } Inflammation of bladder. } Spasm of the
neck of the bladder, from cold, excess in wine, cantharides, &c. Irritation
produced by dentition, hysteria, &c. } Enlarged prostate, displacements of the
womb, pregnancy, stricture of the urethra, calculus, laceration of urethra,
abscess and tumours of the bladder.

Age most liable.

Sex most liable.

Symptoms.—Depend very much on the cause.

Diagnosis.—Incontinence, tumour of the bladder, &c.

Prognosis.—Depends on the cause.

Treatment.—*a.* Warm bath. *b.* Opiate injection. *c.* Evacuant injection. *d.* Loss of blood, general and topical. *e.* The catheter. *f.* Forcing the stricture or dividing it, where it exists as the cause of retention. *g.* Puncturing the bladder, which may be done in three places by the *rectum* above the *pubes*, or by the *perineum*. *h.* The inhalation of ether.

Remedies useful in certain rare cases.

a. Quinine in intermittent or periodic attacks.

b. Caustic bougie in irritable neck of bladder or spasmodic stricture.

c. Affusion of cold water in relaxed patients.

d. Strychnia in paralysis of bladder.

e. Alkalies, when the urine is too acid.

f. Large doses of opium, and perfect quiet when the usual modes of relief fail.

INCONTINENCE OF URINE.

Definition.

Age most liable.—Early life and advanced age.

Causes.—Diseased urine; habit; irritable bladder, hereditary predisposition, paralysis of the sphincter vesicæ, from any cause, &c.

Symptoms.

Diagnosis.—Retention of urine, contracted bladder, &c.

Prognosis.

Treatment.—Depends on the cause.

HYPERTROPHY OF THE BLADDER.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CONTRACTION OF THE BLADDER.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SACCULATED BLADDER.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

If returns generally cure

If person comes he can't pass water by
a sperm - may relay, hot bath - Bleed
him opium - by rectum - if got ether
give him, or chloroform - save his blood
Sometimes ether fails - introduce catheter
don't use force coax it - pass gently

If permanent Stricture bony him under
ether, take silver catheter have stilettes
pass canula and put the stilet and
do the same larger one, then gradually
put in catheter itself if Stricture is extensive
and shall operate or not - if occluded it is
better to open urethra, and divide stric

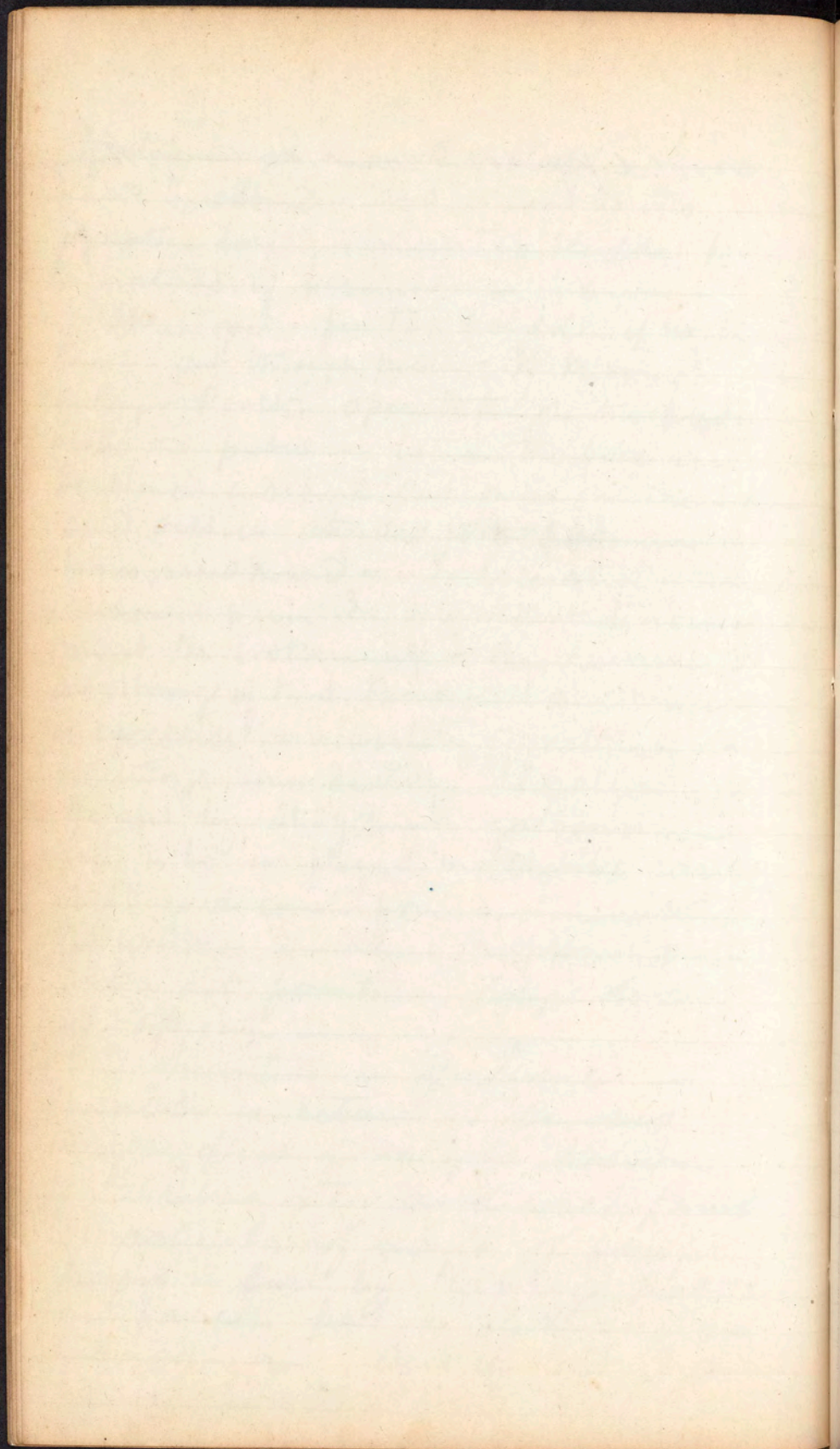
If Chronic better to tear bladder If have
an enlarged prostate coax the catheter
or must put an instrument in
gl and, have have catheter, tipped and
beveled on one side according to
side enlarged - may use with or without Stilette
take a common wire - and bend it - introduce
in catheter, and it will raise the point
may put it in by feeling in rectum, and then
push up its curves, and if this
won't do bend wire still more - if can't
get in this way, operation - tear bladder
in Paralysis - no pain - only use
pass catheter and take away urine

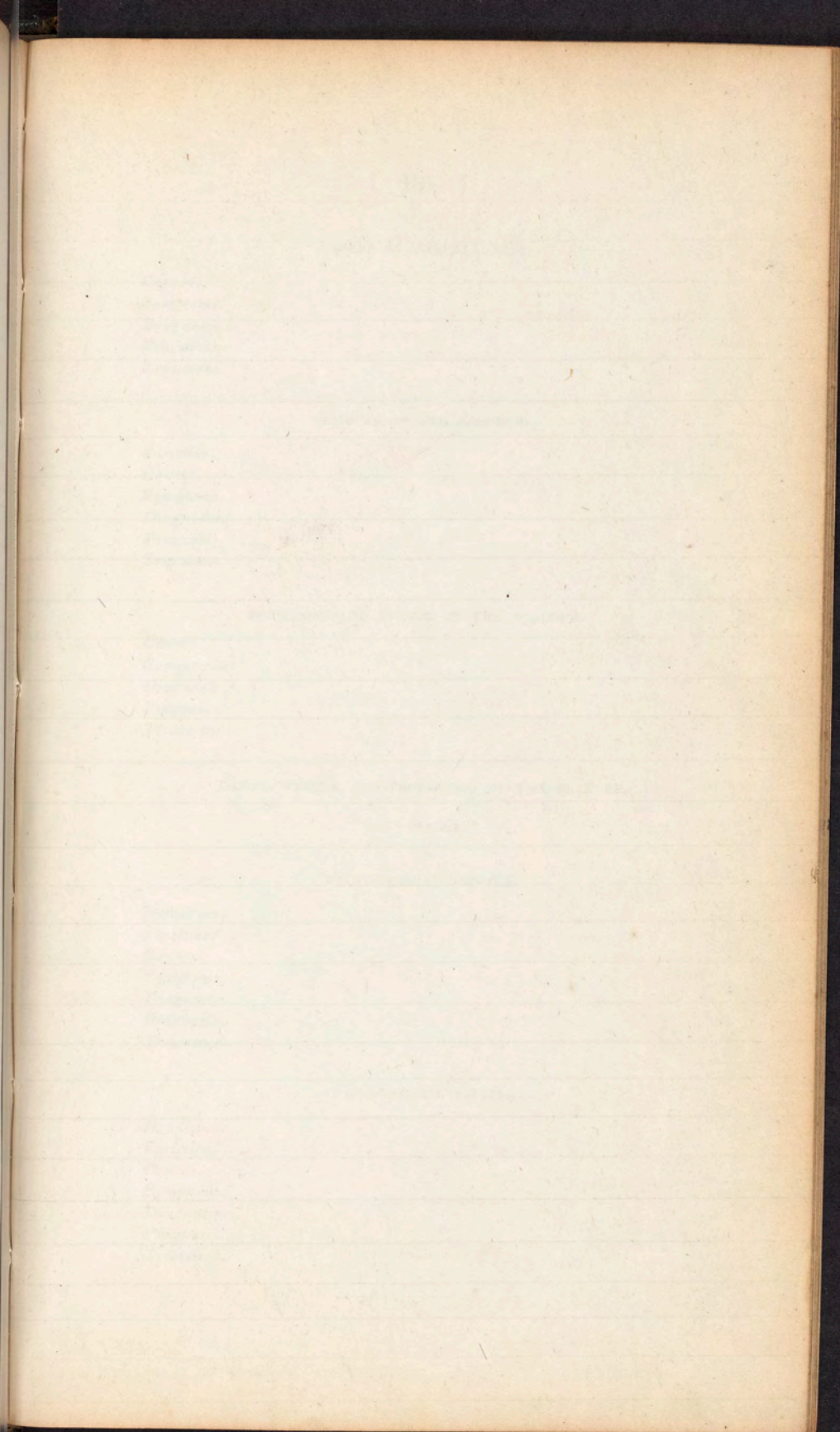
If stone lodges in neck of bladder push back by sound - and if cant do this operate - sometimes must tap bladder for lacerations of perineum -

Three oper - for tap bladder if lithotractor can - cut through perin - If through the enlarg - Prost - oper through the pudor above the pubis - between the bone and Peritonem and bone - cut through the skin and dissect attached to the pudor by tapes passed round - In laceration make incision in perin. In intermittent tendency must be broken up - By genuine w something of this kind - another cause is excessive irritability of neck of bladder cantrize immediately. Paralysis often benefit by Stuegheim's galvanism - only to be employed in chronic cases great good comes from examination of urine - sometimes happens pain wont wait for time large doses of opium -

Incontinence of Urine - Unable to retain - Causes may be effect of simple habit If alkaline or too acid not fault of patient - If result of simple habit - Cure by Rapping patient on face - put a blister on Sacrum, and if dont do give opiate.

In old person cant do anything





ULCERS OF THE BLADDER.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

TUMOURS OF THE BLADDER.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SCHIRROUS AND FUNGUS OF THE BLADDER.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HERNIA VESICÆ AND PROTRUSION OF THE BLADDER.

See "Hernia."

RECTO-VESICAL FISTULA.

Definition.
Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

VESICO-VAGINAL FISTULA.

Definition.
Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

STONE IN THE BLADDER.

Mode of formation in the bladder.

Causes.—1. Predisposing. 2. Local.

1. *Or Predisposing.*—*a.* Sex. *b.* Race. *c.* Age. *d.* Constitution. *e.* Climate. *f.* Mode of life. *g.* Water. *h.* Dyspepsia.

2. *Or Local.*—*a.* Stricture of the urethra. *b.* Enlarged prostate. *c.* Sacs of the bladder. *d.* Paralysis of the bladder. *e.* Chronic inflammation of the bladder. *f.* Lodgement of foreign bodies of different kinds in the bladder, which serve as nuclei.

Varieties.

Size.

Form.

Number.

Mode of growth.

Condition in the bladder.—Encysted, or loose, or encrusted.

Symptoms.—Depend on a variety of circumstances.

Diagnosis.—Manner of sounding and use of the stethoscope, &c.

Prognosis.—Depends on the age and sex of the person, the condition of the organs concerned, and the size, composition, and condition of the stone in the bladder.

Dissection of the bladder when the stone has existed for some time.

Effects upon the ureter and kidneys.

Treatment.—Several indications.

a. Remove the diseased state of the urine upon which the secretion of the stone depends.

b. Palliate the sufferings of the patient.

c. Remove the stone.

1. This indication may be fulfilled by a number of agents, most of which have already been alluded to under the head of "Calculus."

2. The second may be accomplished by demulcent drinks, acid or alkaline medicine, according to the composition of the stone, warm baths, leeches, anodyne injections and perfect rest.

3. The third is answered by a variety of methods.

a. Extraction by the urethra.

b. Solution by injections.

c. Lithotomy, which includes—1. Cutting upon the gripe. 2. The high operation. 3. The single lateral. 4. The bilateral. 5. The recto-vesical.

d. Lithotrity and Lithotripsy.

Preparation of the patient for either of these operations.

EXTRACTION BY THE URETHRA.

Cases to which it is applicable.

Condition of the bladder before the instrument is introduced.

Instruments employed.

Position of the patient during the operation and mode of performing it.

Urinary Calculi are stones
swallowed by Salts which exist
naturally - in the urine sometimes
made of salts not usually
found, in it - Key to treat is to
modify urine, the Stone is generally
separated in Kidney and goes
down to the bladder in form of sand
Causes - Tortuous course of. urethra
in male - B - The mode of life - &
a disease almost peculiar to young
if found in old caused by some
other disease. Constitution - Hereditary
families - Calculus diathesis - ask
the patient - if in any family had
it before - and remove from place
climate in cold and hot climates
seldom have it - in temperate
Zone - In regular climate - The
Skin and Kidney - Symptoms
do not do it in ~~several~~ ^{several} cases of
mode of life - luxurious diet and
indolence - and also from bad
air & faulty - Hard water - Limestone
regions furnish good notes
that not only water - but other
medic - h - Turbid urine or
Sulphuric acid find red precip
purple - lime blue Bell and Lemel

Local - Causes - are mechanical
by keeping urine contained in
bladder long time, give time for wat.
salts to deposit - And some the
lugged jets of bladder - getting
depos - when no natural predis-
cause - Sometimes no pain -
And paralysis - let alone and
if have pain - operate - Sep-
of mucus - a globular mass be-
formed a stone, nucleus ^{where} nucleus
of for bodies - will lay of course
the foundation of Stone.

Symptoms - Prog. shows on Size -

In 99 out of one 100 cases stone is found
in young or, very old - owing to the digestive
apparatus in middle being in very good
order excepts from a prominent cause.
Diathesis great many cannot be cured
hence have it in hot or cold climate
temperate zone that most frequent
the why of this, the closest analogy
exists between Kidney & Skin -
when great changes occur - and
disturb the equilibrium between Skin &
Kidney - hardly ever meet with in the
rich luxurious living generally gives
it - hence must change mode of life
water - limestone said to cause hardly
can be true - Dyspepsia anything which
will cause it

may have citric acid give blue pill and regulate diet will stop development if have white deposit - the same thing occurs let go on and he will have stone

Local Causes Structure of Utricle owing the bladder being imperfectly developed or a - nated retention of urine by permitting the salts to deposit round from a nucleus -

Enlarged prostate by causing retention will have the same effect, Lac of bladder in the same manner by affording nucleus will develop stone - Paralysis from any cause - General or local attend to urine - evacuate thoroughly - Look like urine for formation of stone as no symptoms being present use catheter night & morning - Chronic Inf - by some nucleus as drops of blood or pus or mucus - f - w

diagnosis of stones -

Stones vary in size from Mustard Seed to a large egg in horse one has been taken from a body as large as 10 in in circumference weighing 44 oz - vary in form - will very like indicate the kind if rough looking like a Chestnut bur or abate of bone - sharp all over as rough as these they are the worst - Number vary from one to 12000

growth of Urinary Cal - generally around a central lamina - formed of different kinds of stone giving a striated appearance the nucleus may be in any portion of the, some are formed as distinct nucleus - by citric acid connected together by

Numerous - according to DoCKETT numerous
calculi are organized - because it can
be marinated and find a membrane
and also see it by microscope - may
is not the only animal but the big cat whale
and many others - Phenomena - suppose on
Kidney is any where the phenomena differ if in
Kidney - pain in lumbar region which cannot
remove bloody urine pain darting down
inter-terminating in testicle retracting of
same testicle - general health of the patient
goes away - any other things will give
the same symptoms but they can generally
be removed by appropriate remedies do not
commit yourself until formation of abscess -
Hence danger very great in all probably
he will die - unless let out by suppurated
If gets in Reticulum will see patient in good
agony with nothing on floor skin cold retraction
of testicle on same side pain shooting down
inter-terminating and sometimes nausea and vomiting
and frequent vomiting - the same symptoms
occur in Macfarrea cramp Colic and
in Strangulated hernia - hence must
inquire if had another attack and
has passed sand and stone -
When gets in bladder but still the
desire to urinate becomes frequent the stream
stops - feels conscious of some body in bladder
when use any exercise also have bloody
and smears urine and an indescribable
sensation in the glans penis making
him squeeze and pull the prepuce
These generally indicate the condition
two, may have all the symptoms

but never hazard an opinion until examined by
a sound, some have gone from early life to
death and never make any complaint. Stone
may be free or encysted the latter is developed
in case of bladder becoming lodged in the wall
of bladder and from interfering with its contraction
will give rise to all symptoms the moulting calculus
from roughness causes effusion of plasma which
~~bottom~~ gives to side of bladder - again the stone
wall may be encysted arising from sand
giving rise to intense inflammation mixing
with mucus makes a plaster - no contraction
of bladder must be pulled off - The effect produ-
ced by lodgement of stone depends on location
if in kidney it converts into a simple
sac - giving rise to progressive absorption
or ulcerative inflammation - when lodged
in ureter - dilatation and destruction
of organ and kidney also certain signs
added - urine will become perfectly normal
and pains in creased pain from collecting
in kidney and hence the most important danger
must use the most active treatment Bleeding
warm bath - the bladder becomes contracted
by the presence of stone or excessive dila-
tation - If lodged in neck of bladder - gives
a congestion and dilatation of ureter
and bladder - an operation as quick
a condition will save a man's life
it is always important to get rid of
a stone & sound - Now some if
comes from a journey or if in pain don't
touch prepare him by warm bath
of enema diuretic drinks, the Red

The cure must not be too great have
the cure short - must not be too
large solid and smooth - found him
first in upright posture if can't get
lay him down - put him nearly on
his head to disengage the stone from
the sac - and sound him with full
bladder - after fasting here in city he
detected some times a empty bladder
in fact the greater number of patients the more likely
to find the stone. Icalmelt. 124a - In order to
carry out this examine urine by microscope and
acid and alkaline tests - very simple tests in these
litmus red and Turmeric paper will give a hint
if too acid and irritating bladder changes the
coloration. If only marked paper pink there
may not be too much acid in urine. Have
use alkaline treatment if urine be so as
to turn yellow paper to brown too alkaline
and give him acid - not sufficient if fail to
see in short to microscope - if making urinary
calculi will have crystals of oxalate of
lime from drying on plate a drop of urine,
acid dumbbell crystal uncolored is Nitro-
muriatic acid. - If crystals are arranged in laminae
they are uric acid - uric acid is an alkali -
if comes as sand indicates indigestion.

golden sand on urinary calculi - In cases
of Phosphatic Calculi in goat 10 cases require
an alkali some require alkali when acid
treatment fails. The crystals appear pearly -
other - Belongs urine a turbid muddy urine
shows danger of irritation. Shows also that
urine is modified by various causes - If
patient is distressed if head-ache is try and
remove these causes or change diet habit
climate and alkali an acid test the
Nitromuriatic. and vice versa can
Patience once and benefit egg shells the
stevens powder Lee's Pill. 2 Ind to 10 pills
symptoms - opium great comfort large doses
diuretic drinks diuretics and mainly the
simple infusion of Enginon Philadelphia un-
34 to 64 ad lib 2 warm bath - Urban
cases must employ in urine in

Gravel low pulse great agony to
relieve him at once, after great shock

SOLUTION BY INJECTIONS.

Cases to which it is applicable.

Agents employed as solvents.

Manner of using them.

Dangers.

Utility of the measure discussed.

LITHOTOMY.

1. Cutting on the Gripe or Celsian operation.

Cases to which it is applicable.

History of the operation.

Anatomy of the parts concerned.

Manner of performing it.

Dangers.

Utility of the operation discussed.

2. The High or Hypogastric operation.

History of the operation.

Anatomy of the parts concerned in the operation.

Cases to which it is deemed applicable.

Supposed advantages of the operation.

Dangers of the operation.—1. Peritonitis. 2. Extravasation of Urine.

3. Wounds of the peritoneum. 4. Lodgements of fragments of the stone.

5. Hemorrhage. 6. Urinary fistula.

Instruments employed.

Manner of performing the operation.

After treatment.

3. The simple Lateral.

History of the operation.

Anatomy of the parts concerned in the operation.

Cases to which it is deemed applicable.

Supposed advantages of the operation.

Dangers.—1. Peritonitis. 2. Extravasation of Urine. 3. Cystitis. 4.

Hemorrhage. 5. Inflammation with sloughing. 6. Incontinence of Urine.

7. Fistula. 8. Wounds of the rectum.

Instruments employed.

Manner of performing the operation.

After treatment.

4. The Bilateral.

History of the operation.

Anatomy of the parts concerned in the operation.

Cases to which it is deemed applicable.

Supposed advantages of the operation.

Dangers.

Instruments employed.

Manner of performing the operation.

After treatment.

5. The Recto-vesical.

History of the operation.

Anatomy of the parts concerned in the operation.

Cases to which it is deemed applicable.

Supposed advantages of the operation.

Dangers.

Instruments employed.

Manner of performing the operation.

After treatment.

LITHOTRITY.

History of the operation.

Cases to which it is deemed applicable.

Supposed advantages of the operation.

Dangers.

Instruments employed.

Manner of performing the operation.

Treatment during the course of operations.

LITHOTRIPSY.

History of the operation.

Cases to which it is deemed applicable.

Advantages of the operation.

Dangers.

Instruments employed.

Manner of performing the operation.

Treatment during the course of operations.

STONE IN THE FEMALE.

Symptoms.

Operation to be preferred when an operation becomes necessary.

Manner of performing the different operations.

HYDATIDS AND ENTOZOOA OF DIFFERENT KINDS IN THE BLADDER.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. AFFECTIONS OF THE PROSTATE GLAND.

WOUNDS OF THE PROSTATE.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

Lithotripsy - Can't perform if
enlarge gland - not if strict
antra bladder - Irritable urethra
And large and hard stones -
must always perform if fear Condi
One serious object is crushing stone
augment - pain - the instrument
may break - The repetitions apt
to break conti - so as to make
hectic -

Stone in Female -

1st old - dilating urethra - water
sponge into - Bomps on incontinence
of urine for life - 2^d division -

Ord - cut direct up - Another
by dividing on both sides
Same objection ever time
in adult - very easy and
safe in child not to be adopt
in adult - And - divides the
mucous coat and then distend
remaining coats - Break the
stone is very best instrum
Worms in bladder

Anchor - Hot bath - spec to temperature
Stone in bladder 3 ind - 1st extract of stone
by urethra just by A Cooper having a
and trements to carry out carried to bladder
opened the blades and by turning the stone
and passage can sometimes get it out if
stone is transverse loose

absorbing of Belian process - prepares by giving
floss and tea and henbane - to relax
and perineum by plaster of Belladonna &
lyell's process in spermatic action
of bladder - Ad suppurants used and into the
stone to dissolve stone - no good except by
preventing formation of fresh stone. Can some
times do good by injecting seed in bladder -
which calculeous matter continually passing by
injecting into bladder. Left of urine seed
infect with double & irrigate
is let run out after. Bally water of
dissolving the matter.
Continue operation at least once a week
The operation of Lithotomy - 5 or 6 operation
high Lat. Bet lat recto vesical - - - - -
The oldest is most simple - and now is
sometimes - cutting in grip by passing the
finger pass up rectum - pull down the
stone to perineum a cutting down to stone
the oldest only of service when stone in
prostate - 14 15 below introduced high up -
Some prefer it cut through integ. rect &
fat and cellular tissue separate pyrami-
des - and separating push away prostate
if bladder is contracted relinquish the ops.
Maitre's Natural Operation for Stone. In origin was
suggested in all surgery. - originated with a monk
his operation was to thrust through perineum a double
edged Knife and get stone out - after this mode plan
the staff was employed - Anatomy - the perineal
triangle or 2 - The Integ loose & soft & Saphenous
fascia - 3 - Deep perineal fascia or sphincter
cut this fully - 4 - Perineal Centre of layers
of muscles the Sphincter & transversus perine-
rector Penis and Accelerator Urinae - between
these two the surgeon is directed to cut through
also the transversus perinei alter - some times
can 5 to a dense fibrous membrane, the transp-
erineal middle plane of the fascia
by a meat and about $\frac{1}{4}$ in below

6 ^{membranous part of the urethra} Pubis the urethra passes out and below
Cowper's gland - It is object in this operation
to pass through the prostate gland and
membranous portion of the urethra to get
into the bladder - to do this the Knife goes
through left side - 4 arteries - one invariably
cut - 2 transversi - sometimes also 3 the
membranous part of urethra and internal
pubic - this is generally cut when the
gorget used, the chief danger however comes
from the vessel plexus which are much
enlarged, Instruments required - only 3
Knife Staff gutter on one side thus differing
from old staff forceps those usually given
too large - they should be demonstrated - also
a Syringe of Stone Beaks or is encysted or
spoon also. As may be hemorrhage well to have
to tie pubic run finger up the ramus of
the pubis & felt for pulsating and take it up
with curved forceps of Physics armed with
needle and lig - also Dupuytren's
instrument for stopping hemorrhage - the
gorget Davidson was first to use it. Physics
is used in US - begin however with Scalpel
Always shave perineum and keep bladder
full either with urine or Barley water if
don't attend to this may go through the
posterior wall always hold staff perpendicularly
Incision begins below Symphysis Pubis to back
of anus and terminating midway between
the tuber Ischii and anus - always get
nail in the gutter of the staff before cutting
then depress handle of staff and push the gorget
in at same time changing the angle of
the two -

put patient to bed propping the bed by
oil cloth - Give him - Mixture of Tart
ant and Morphine and keep down
inflammation when wound contracts on the
catheter put in smaller one and decrease
until the wound has healed - In young
subjects apt to cut the urethra because
the lateral is sometimes done with straight
staff - Scheele's operation

~~Rectovesical~~ operation by Smith - Nathan
R. - cutting the neck of bladder the membran-
ous portion of urethra and left $\frac{1}{2}$ of Prostate
gland - Concealed Knife or Sematome Cocket
great danger of cutting with this the int-
radic - Mott's operation - performed with
common beaked Knife and staff advantage
is that can limit the incision should
the perineum be narrow - The best in-
strument for open is simple scalpel but keep
the finger of Pyrexia - Danger
Peritonitis is very common avoid of pro-
ducing large fat masses - avoid if possible
cutting out of capsule for will have
many infiltration out on the other
side of gland - Inflamm of bladder
this treated by antiphlogistics and
opiates - Stricture - most trouble
if threatened must arrest by most
active measure - Incontinence of
urine - when the stone is very rough
when remove the stone it size and
rough borders paralyze the muscles of
neck - fistula the wound healing
almost but leaving one ^{only} generally cure
by be probed dipped in nitric acid pushed

physis applied to blister where the
gustula small wound of rectum - very
sensitive here must try cure it must
Ruff in bladder a catheter recollect that
may pass the catheter into rectum hence
pass finger up the rectum - having put in
catheter dilate orifice of anus and
introduce actual cautery at red heat

Be Latral here both sides cut first
triggatidly celcus but first introduced
by dupeytrien - anatomy is nearly same
showing to cut between bulb &
transverse muscle and get between the
accelerator urinae and erector penis -
prepare patient & select instrument -
use scalpel a very short curved staff
and double subcutaneous Catheter, make
incision as in cutting across the perineum
as in celcus - open - when each staff
fit the double, Knife and pass it in
turn the Knife and expand blades
and draw out instrument in the axis
of inferior strait This gives very large
opening - Sometimes performed with
staff and scalpel where stone is large
the very best - never use double gorget
some will contend that colicelical operation
is very dangerous from unending infiltration
and incontinence of urine -

Rectovesical almost entirely abandoned
because it is accompanied with recto vesical
fistula when can't get stone out any other
way may perform it - pass finger of left hand
up the Rectum - pass a curved scalpel up

and push into bladder cut directly
down - the wall of bladder will never
unite - Success only modification of old
method open pup by passing a staff
into the bladder and putting in forceps
and expanding forcibly the neck of bladder
is by Willis dilating the neck of bladder
the patient died and hence the operation
not recommendable

ACUTE INFLAMMATION OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ABSCESS OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ULCER OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

CHRONIC INFLAMMATION, WITH ENLARGEMENT OF THE PROSTATE.

Causes.
Persons most liable.
Progress.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

CHRONIC INFLAMMATION WITH ATROPHY OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

POUCH OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HÆMORRHAGE FROM THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

EXCESSIVE SECRETION OF THE PROSTATE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PROSTATIC CALCULI.

Nature.
Causes.
Number.
Size.
Composition.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

MALIGNANT DISEASE OF THE PROSTATE.

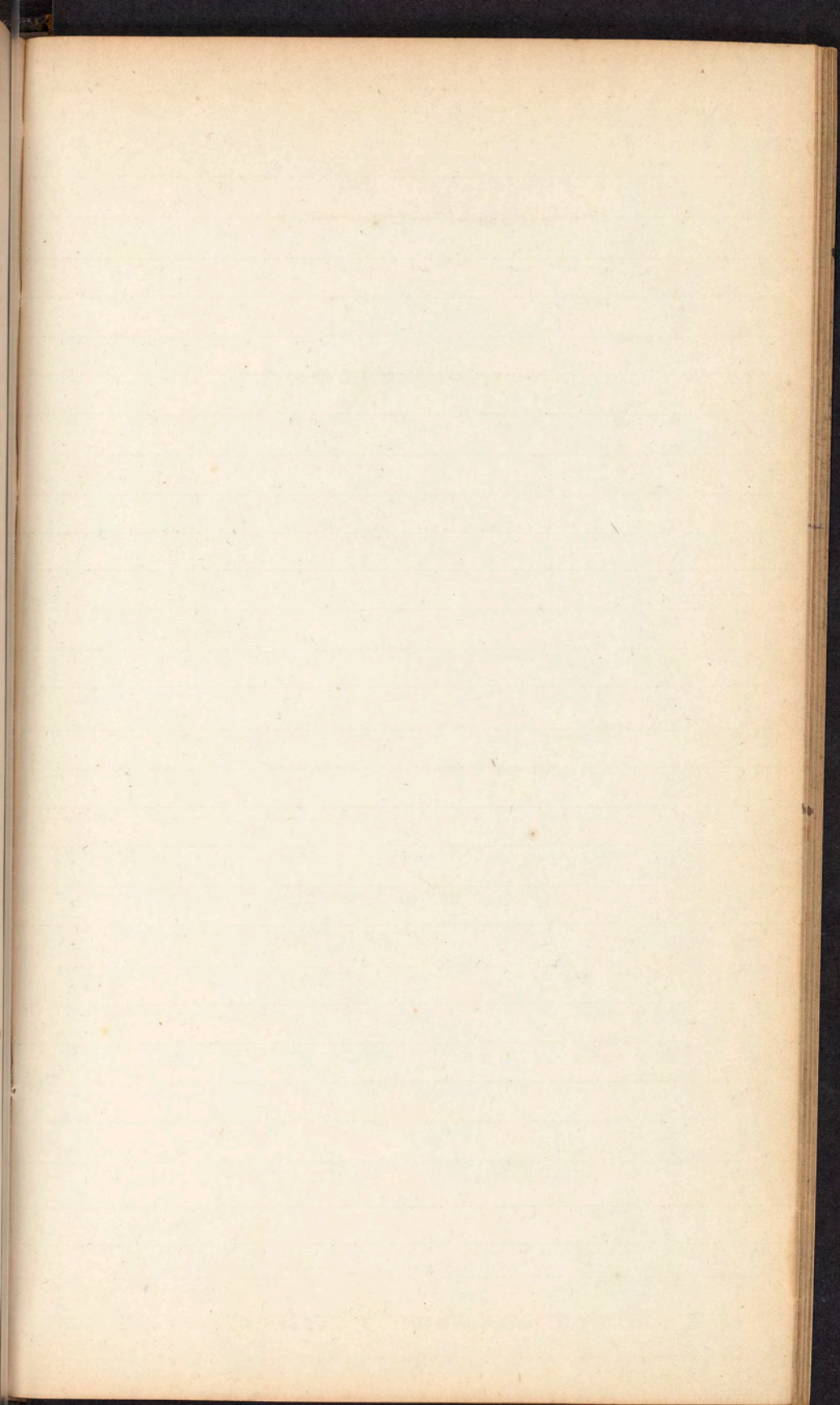
V. AFFECTIONS OF THE PERINEUM.

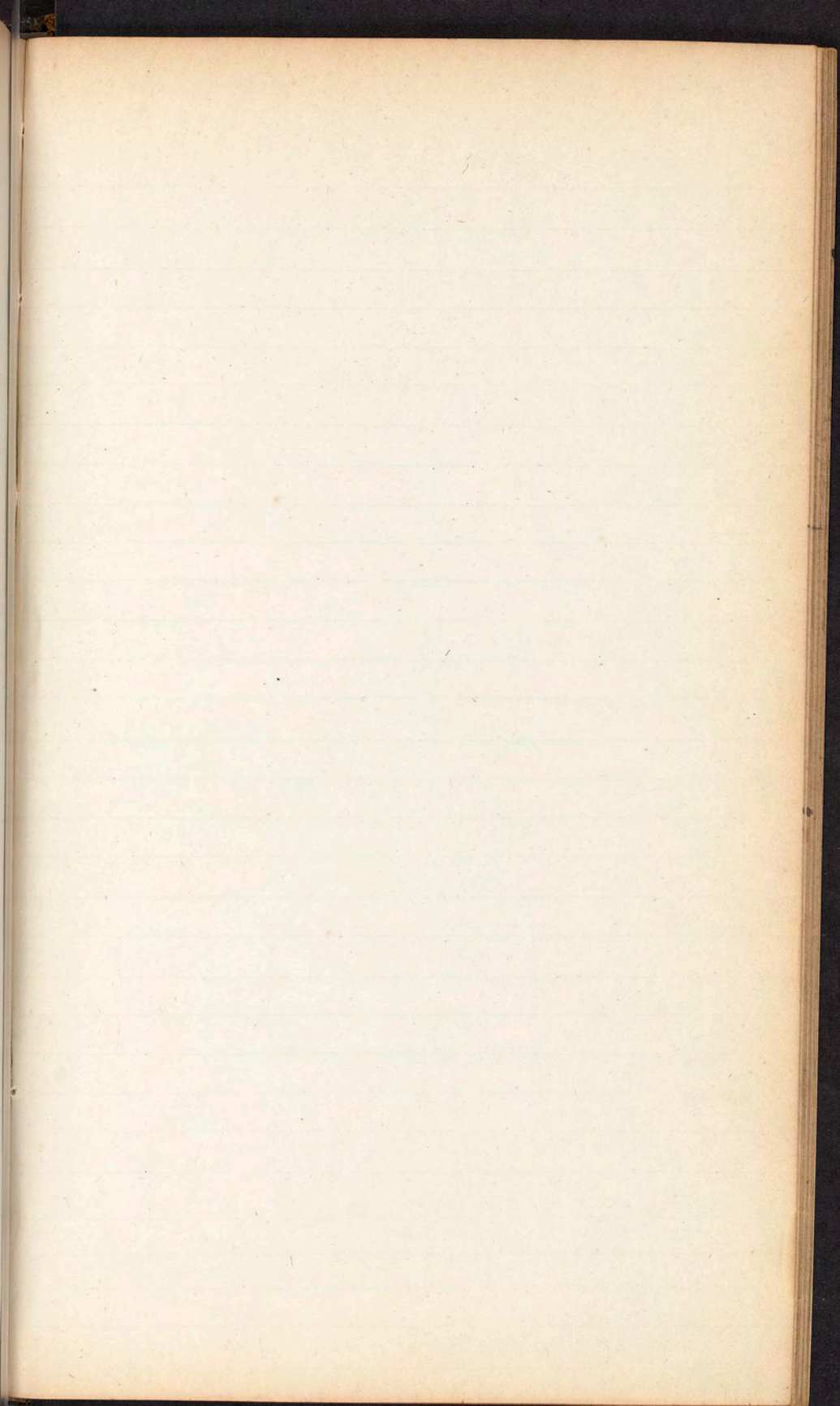
WOUNDS.

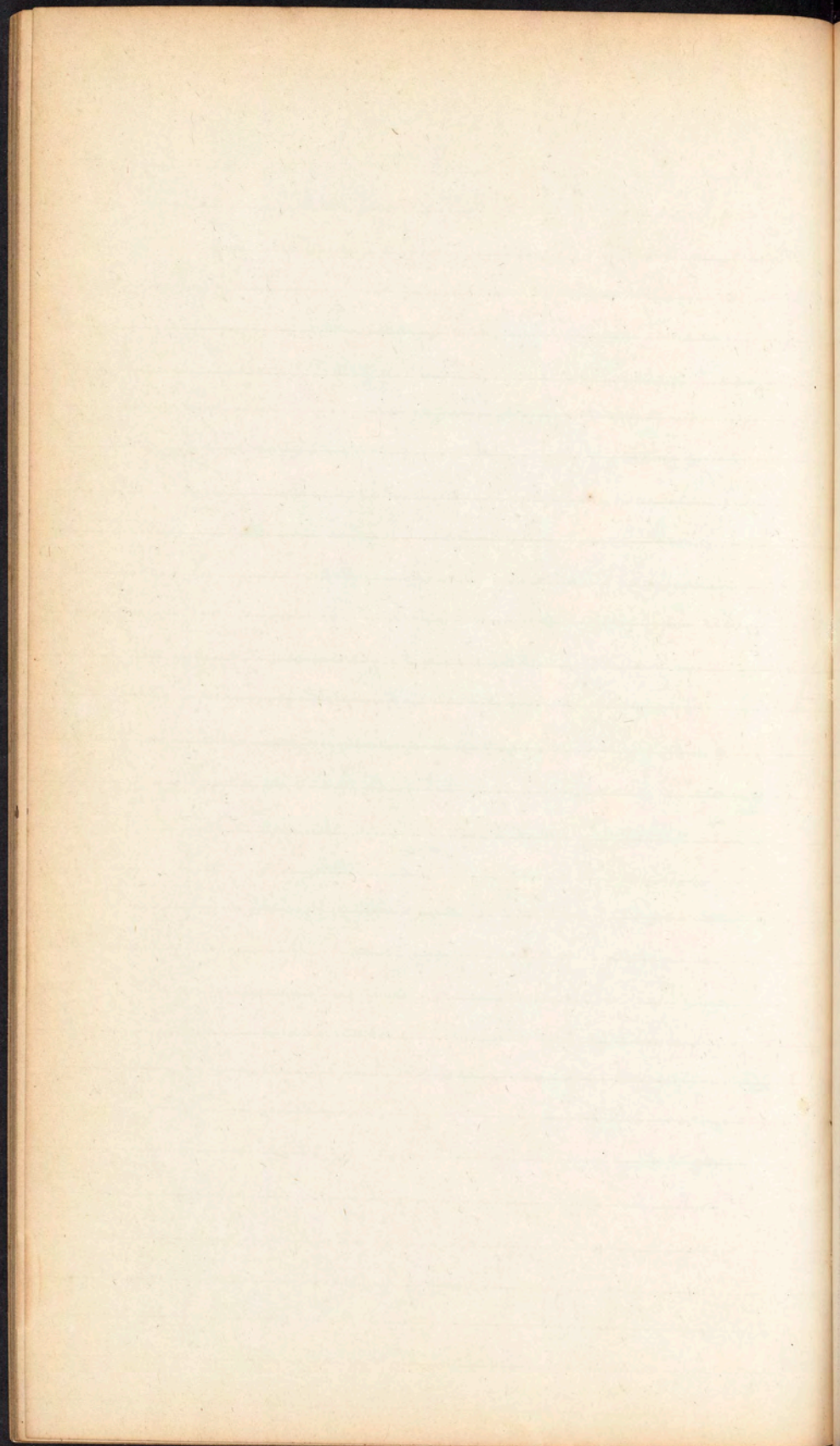
Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

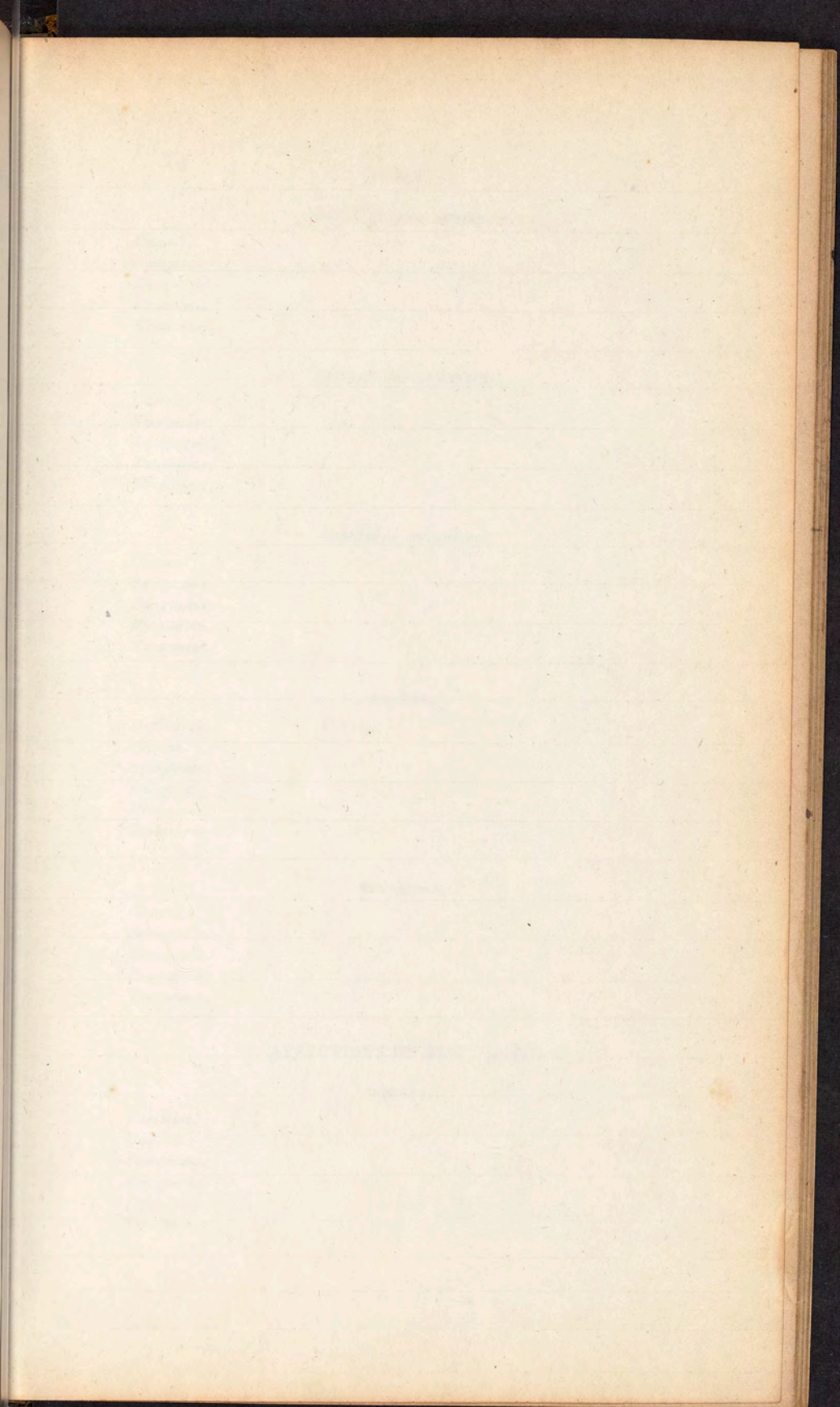
ACUTE INFLAMMATION.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.









ABSCESS IN THE PERINEUM.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

URINARY INFILTRATION.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

DEPOSITES OF LYMPH.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

FISTULA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

NEURALGIA.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

VI. AFFECTIONS OF THE URETHRA.

WOUNDS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

HÆMORRHAGE FROM THE URETHRA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

RUPTURE OR LACERATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FALSE PASSAGE.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ACUTE INFLAMMATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CHRONIC INFLAMMATION.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

GLEET.

Definition.

Causes.—An improperly treated gonorrhœa—disease of Cowper's gland, or the mucous lacunæ of the urethra, disease of the prostate; strictures; sometimes constitutional causes, as scrofula, gout, rheumatism, &c.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Astringent and alterative injections; the argente nit; in substance; bougies, medicated or simple; constitutional remedies, &c.

GONORRHOEA.

*Definition.**Causes.**Symptoms.*—1. Those affecting the part itself. 2. Those attacking other parts from sympathy.*Period of incubation.**Diagnosis.**Prognosis.**Extent of the inflammation.**Products of the disease.**Connection between gonorrhœa and syphilis.**Treatment.*

STRICTURE.

*Definition.**Varieties.*—1. Permanent. 2. Spasmodic. 3. Mixed.*Most common variety.*—The permanent.*Seat of spasmodic stricture.**Causes.*—Vary with the form of stricture.*Progress.*—Usually increases very slowly.*Number.*—Varies.*Extent.*—Varies.*Location.*—1. At the orifice. 2. Near the middle. 3. Near the bulb. Surgeons do not agree, however, on this point.*Symptoms.*—1. Local. 2. Constitutional.*Diagnosis.*—May be confounded with gleet; diseased prostate; stone in the bladder; hernia humoralis; neuralgia of the testis; neuralgia of the perineum; ague, &c.*Prognosis.*—Depends on the variety of stricture, the age and health of the patient, &c.*Termination.*—May occasionally terminate in ulceration and thus a cure be accomplished.*Effects on adjacent organs.**Treatment.*—Mode of examining the urethra.*Different methods of treatment.**a.* Dilatation. By bougies, Arnott's dilators, &c.*b.* Caustic.*Local remedies.*—*c.* Incision from within.*d.* Incision from without.*e.* Forcing the stricture.*f.* Excision.*g.* Catheterism,*h.* Cauterizing with argent nit; to allay irritability.*i.* Absorbent operation.*Constitutional.*—*a.* Blood-letting.*Remedies.*—*b.* Hot bath.*c.* Opium.*d.* Inhalations of ether.

When the stricture is impervious and the patient cannot pass urine, the bladder must be tapped, but this should never be done until all our other remedies have been employed.

FISTULA.

Definition.

Varieties.—1. In urethra anterior to perineum. 2 In urethra, and discharging through the perineum.

Causes.—Inflammation and abscess, wounds, &c.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—Remove the cause, if possible, then use according to circumstances the catheter, caustics, suture, incision, blisters, plastic operation.

CONTRACTION OF THE ORIFICE OF THE URETHRA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ORIFICE TERMINATING TOO FAR BACK.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

TUMORS OF THE URETHRA.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

PAINFUL TUMOR OF THE FEMALE URETHRA.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HARDENING OF THE FEMALE URETHRA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FOREIGN BODIES IN THE URETHRA.

Varieties.

Mode of introduction.

Symptoms to which they give rise.

Diagnosis.

Prognosis.

Treatment.

CALCULI IN THE URETHRA.

Mode of introduction.

Symptoms to which they give rise.

Manner of removing them.

XV. DISEASES OF THE PENIS.

EPISPADIAS.

Definition.

Varieties.

Causes.—Mostly congenital—sometimes accidental.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HYPOSPADIAS.

Definition.

Varieties.

Causes.—Mostly congenital.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

PECULIAR MALFORMATION OF METTEUR.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

BENT OR DISTORTED PENIS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PRIAPISM.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

INFLAMMATION OF THE PENIS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

ABSCCESS.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

URINARY ABSCESS.

Definition.
Causes.

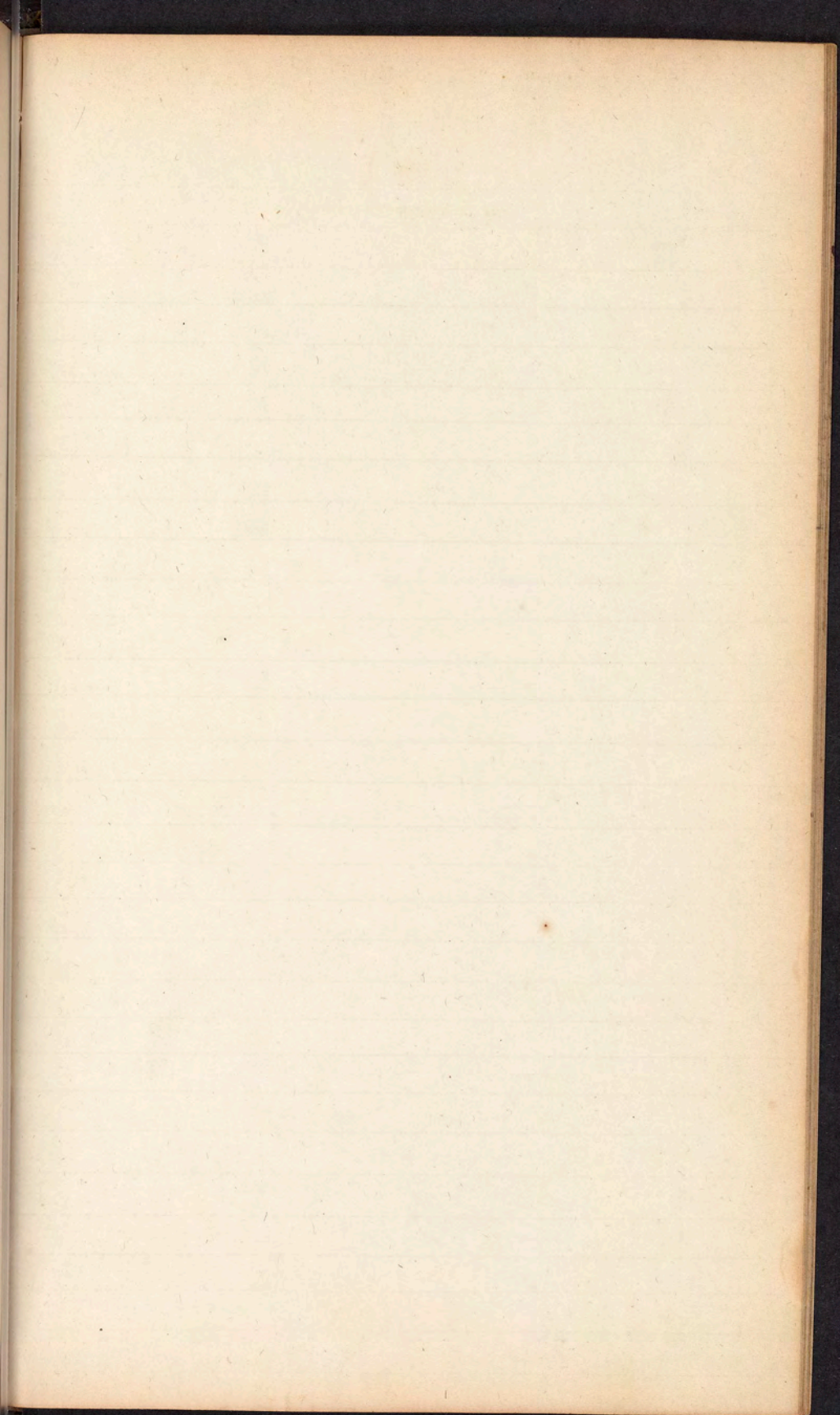
Varieties.—The urine may be collected in a single pouch or cavity, bounded by adhesive inflammation; it may be widely diffused in the cellular tissue; or it may be mixed with pus, forming a urinary abscess proper.

Causes.—Perforation of the urethra from wounds, ulceration, &c.

Symptoms.
Diagnosis.
Prognosis.
Treatment.

WOUNDS OF THE PENIS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.



CHAPTER IV

1897

1898

1899

1900

1901

1902

1903

1904

1905

1906

1907

1908

1909

1910

CHAPTER V

1911

1912

1913

1914

1915

CHAPTER VI

1916

1917

1918

1919

1920

CHAPTER VII

1921

1922

1923

1924

1925

1926

1927

1928

1929

CHAPTER VIII

1930

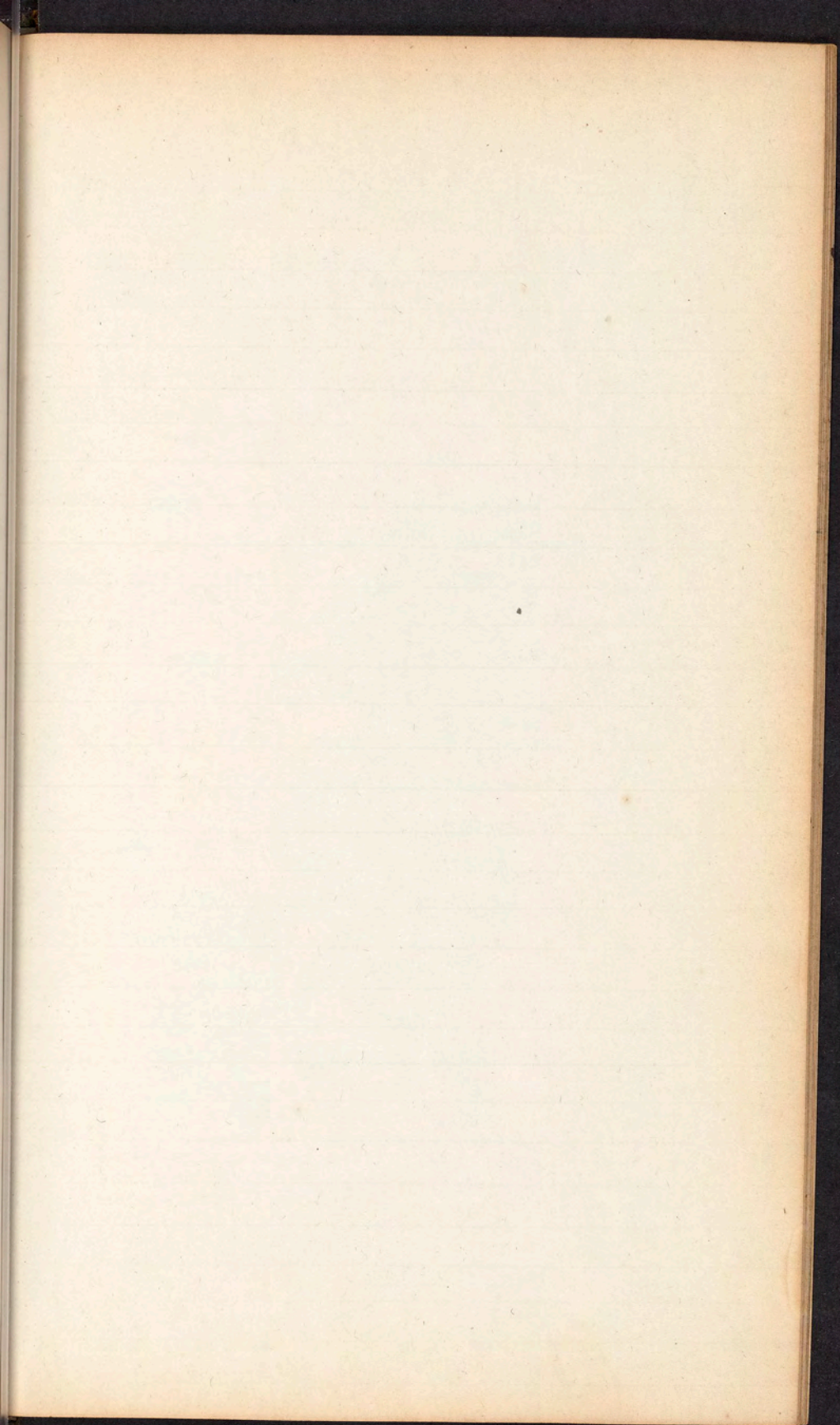
1931

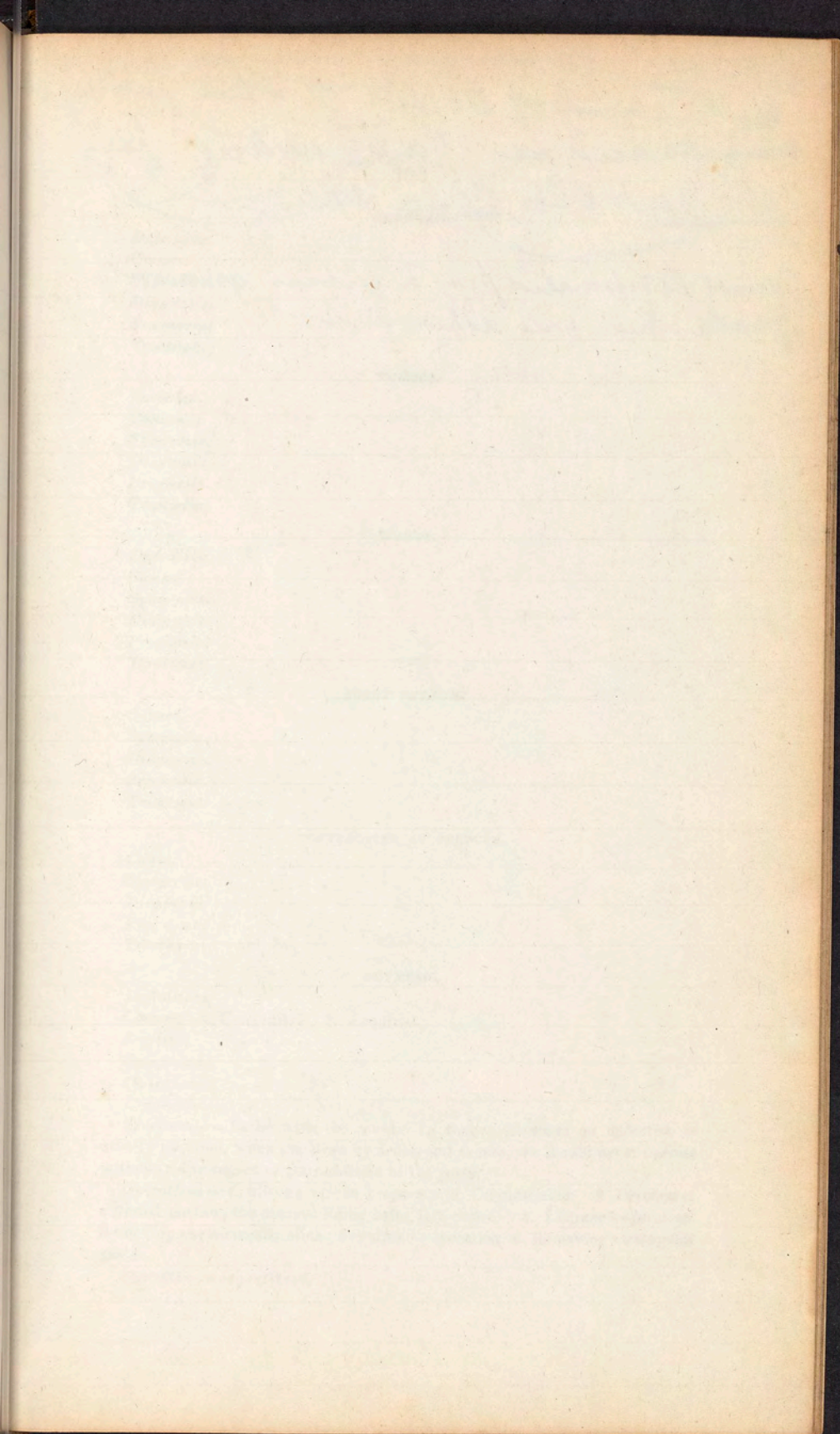
1932

1933

1934

1935





Chlorine - Bleaching salt NaOCl
The Compounds of Cl with H which form
muriatic acid use NaCl with H_2SO_4
 $= \text{NaOCl} + \text{HCl} + \text{SO}_3 = \text{NaOCl}$

Cannot be separated from a certain quantity
of water which will adhere to it

OEDEMA.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

TUMORS.

Varieties.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

WARTS.

Definition.
Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

SHORT FRENUM.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

CONTRACTION OF PREPUCE.

Causes.
Symptoms.
Diagnosis.
Prognosis.
Treatment.

PHYMOSIS.

Definition.
Causes.—1. Congenital. 2. Acquired.
Degrees.
Symptoms.
Diagnosis.
Prognosis.

Treatment.—Varies with the cause. In congenital cases an operation is usually required, when produced by accidental causes, we should never operate without a due regard to the condition of the parts.

Operations.—1. Slitting up the prepuce. 2. Circumcision. 3. Division of external portion, the mucous lining being left entire. 4. Lisfranc's operation. Removing a semicircular slice. 5. Velpeau's operation. 6. Removing a triangular piece.

Operation to be preferred.

PARAPHYMOSIS.

Definition.

Causes.

Degrees.

Symptoms.

Diagnosis.

Prognosis.

Treatment.—1. Compression. 2. Cold. 3. Operation.

BALANITIS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

POSTHITIS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

SIMPLE ULCER.

Varieties.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABRASIONS.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HERPES PREPUTIALIS.

Definition.

Causes.

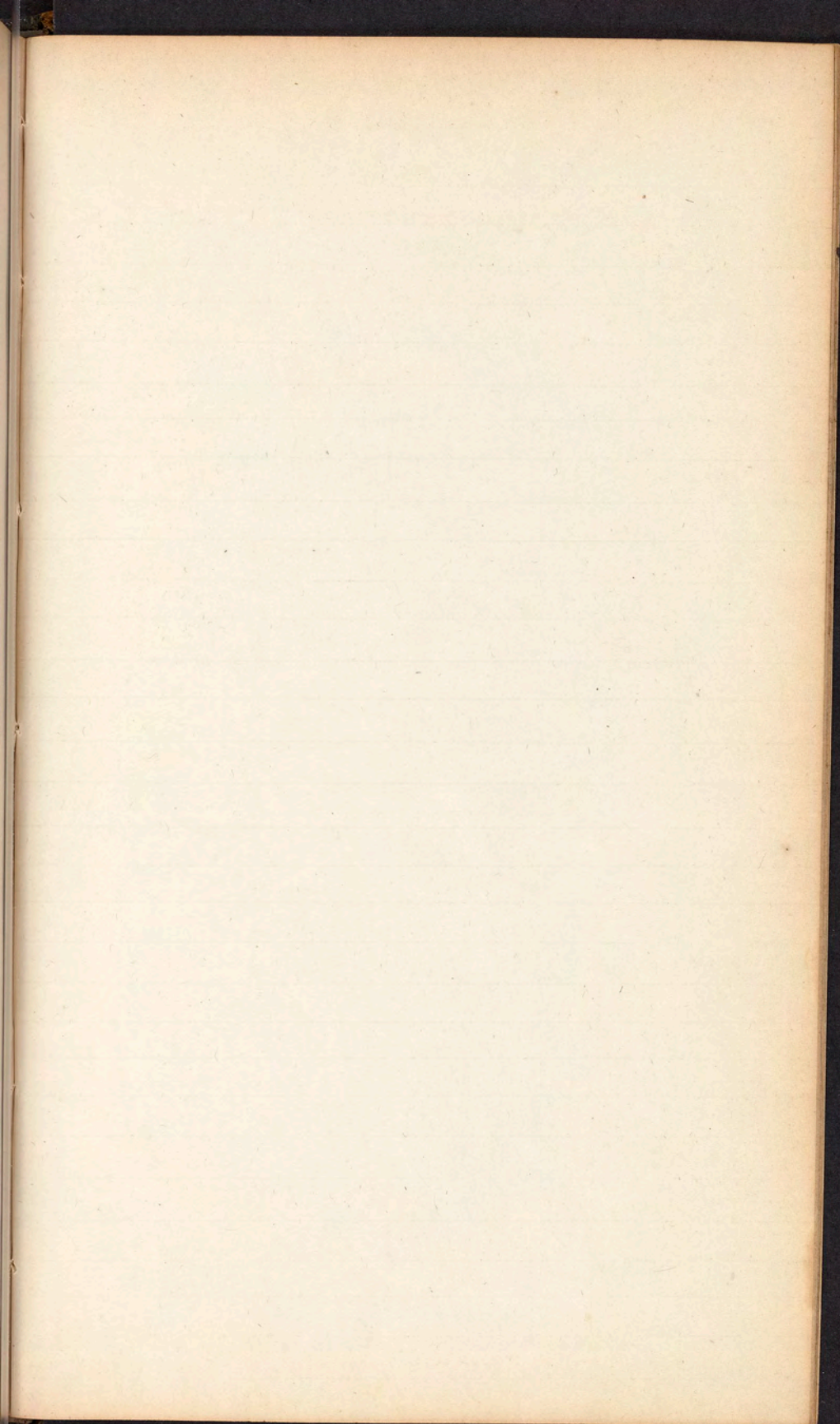
Age most liable.

Symptoms.

Diagnosis.

Prognosis.

Treatment.



1871

1872

1873

1874

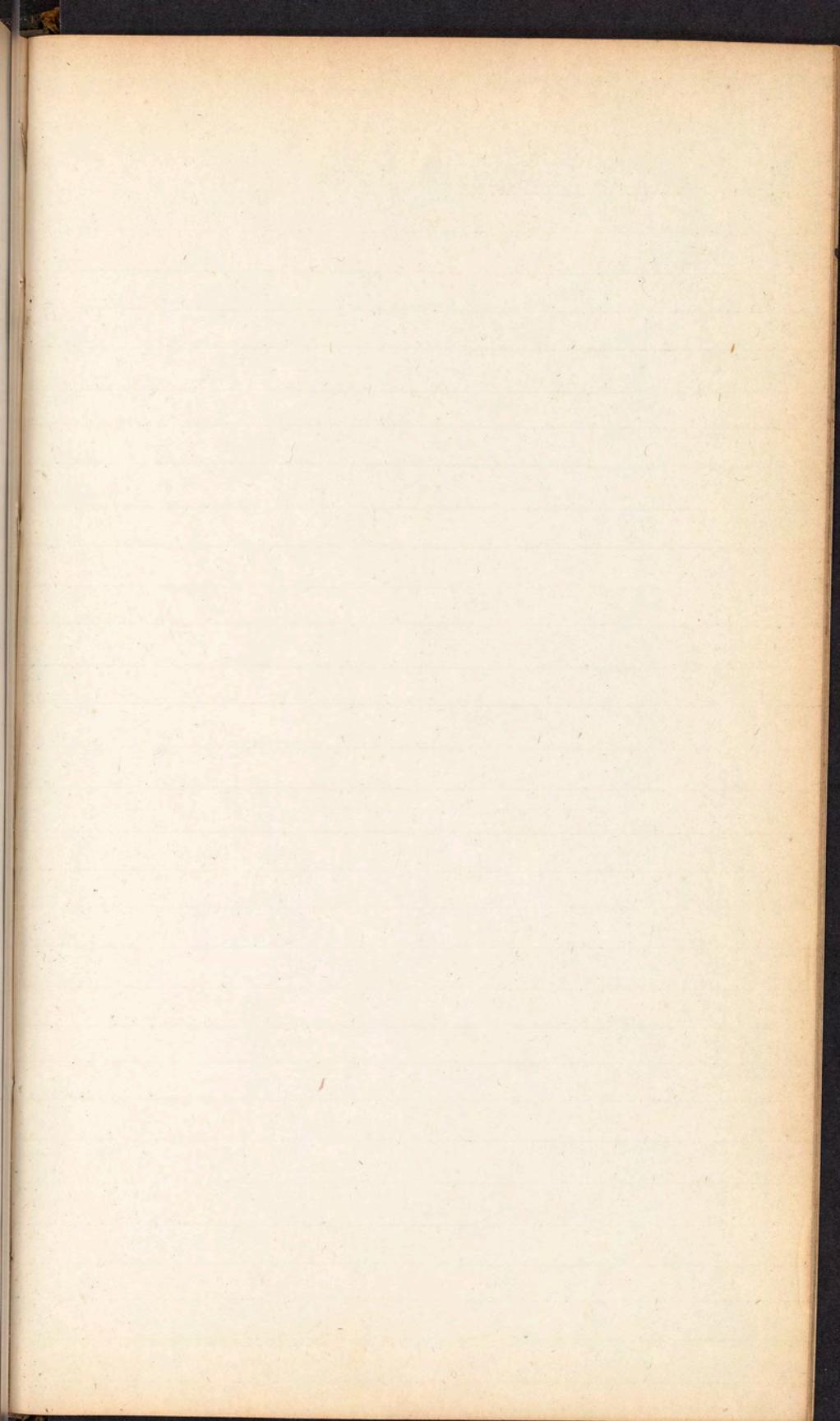
1875

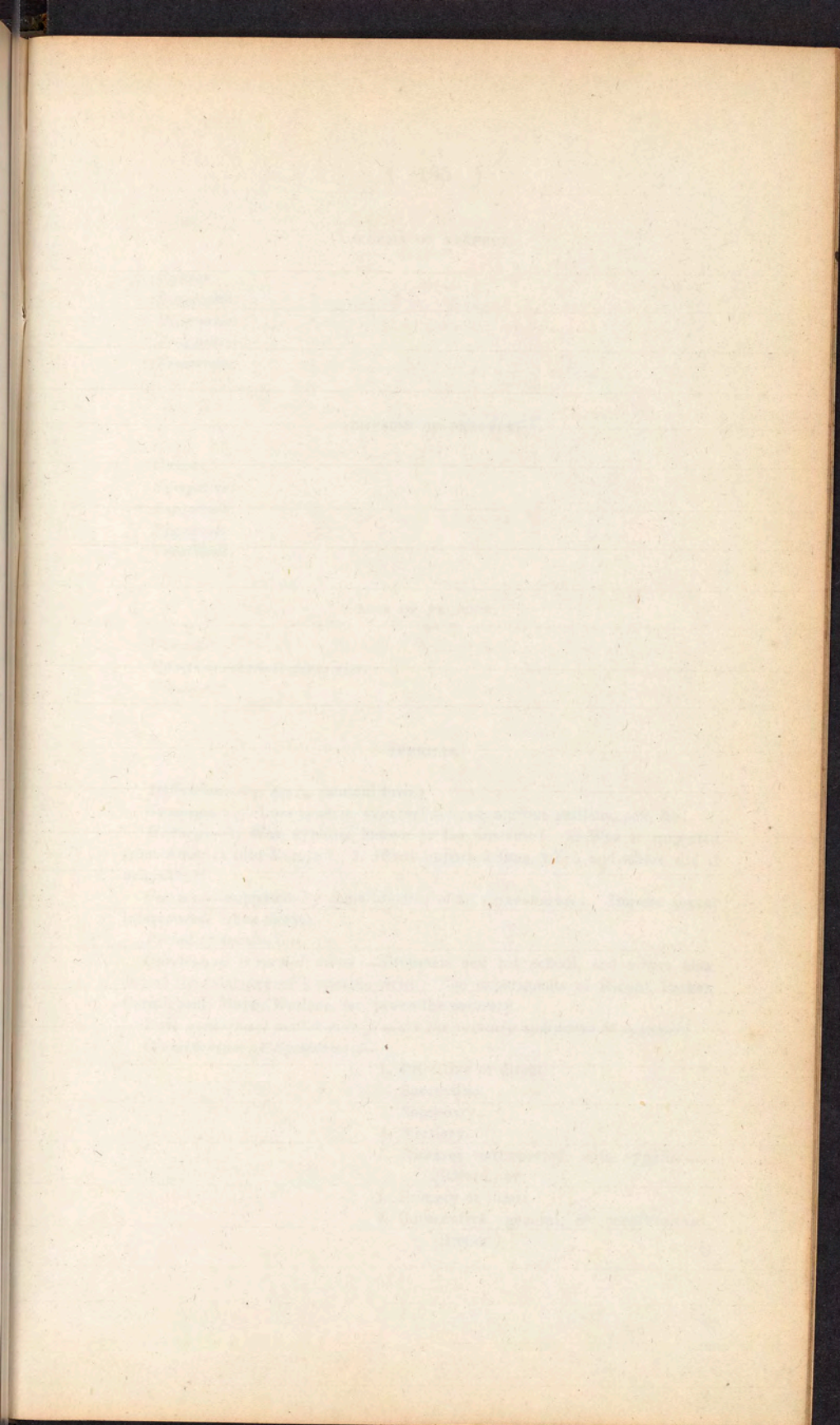
1876

1877

1878

1879





CEDEMA OF PREPUCE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ADHESION OF PREPUCE.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

LOSS OF PREPUCE.

Causes.

Effects to which it gives rise.

Treatment.

SYPHILIS.

Definition.—*συ φιλίω* (mutual love.)

Synonymes.—Lues veneria, venereal disease, morbus gallicus, pox, &c.

History.—1. Was syphilis known to the ancients? 2. Was it imported from America into Europe? 3. If not imported thus, when and where did it originate?

Causes.—Supposed by some to occur often *spontaneously*. Impure sexual intercourse. (See Skey.)

Period of incubation.

Question of a special virus.—Broussais and his school, and others also, denied the existence of a specific virus. The experiments of Ricord, Parker, Carmichael, Mayo, Wallace, &c. prove the contrary.

Does gonorrhæal matter ever produce the primary symptoms of syphilis?

Classification of Symptoms.—

1. Primitive or direct.
2. Successive.
3. Secondary.
4. Tertiary.
5. Diseases unconnected with syphilis—
(Ricord.) or
 1. Primary or local.
 2. Consecutive, general, or constitutional.
(Hunter.)

PRIMARY SYPHILIS.

CHANCER.

Definition.

Mode of development.—1. Pustule. 2. Ulceration or abrasion. 3. Abscess.

Physical character.—Varies with the location, number, degree of inflammation, duration, &c.

Character of the pus.—Varies, and is modified by the stage of the chancre.

Stages of chancre.—1. Ulceration, during which the matter secreted will produce the disease if we inoculate with it; it may last several years, but usually only one or two months. (Ricord.)

2. Granulation and Cicatrization. The matter secreted now ceases to possess inoculable properties.

Division.—1. External.

2. Internal, larvated or concealed.

1. Follicular.

2. Indurated.

3 Phagedenic.

4. Furunculus.

Seat of chancre in the different sexes.

Causes.—Sexual intercourse, touching a chancre; during labor the child may be inoculated.

Diagnosis.—Often difficult.

Prognosis.—Varies with the form of chancre. Chancre produced by artificial inoculation; characteristics of—(Ricord.)

Prophylaxis.

Treatment of chancre.—1. Local. 2. Constitutional.

Cases in which mercury should be employed.

Cases in which it should not be administered.

Extent to which it should be carried.

CONSECUTIVE SYPHILIS.

I. BUBO.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

II. SYPHILITIC CUTANEOUS AFFECTIONS.

Varieties.

Period at which they appear.—Sometimes along with the primary symptoms, but generally after these are cured.

Parts of the body most liable to be attacked.

Symptoms.—1. Local. 2. Constitutional.

Diagnosis.

Prognosis.

Treatment.

Bubo. If soft fluctuation - don't
blister God send poult - put on a
Flaxseed poultice and when the
fluctuation is fully established open
and treat as ulcer - If gets
reddish touch Argent Nitras - If
won't heal give give Mercury
If find pulse full and skin and
becomes prostrated stop - and
use Iodide potassium - give
good diet - Sometimes phaged
both be established - and laying
open large cutures, Alter the Condition
blood - good diet - and Iod Potass
put on dressing to suit case.

Have sometimes scars forming
and discharging skin - lay open and
apply Iodine - Argent Nitras and
give Mercury or Iod Potass accord
to condition of patient -

Hard tumor - much even size
and by Iod - lay - Mercurial
make softer - Iodine Bubo -
must treat by Iodine - Sup
by Emoll and sup - Phage.
Washing Collodion - If abscess
lay open and touch outside
silver. The crust & dressing must
be removed.

Condemnation tumor
often met in children Effect
of transmitted Syphilis in
young children - Give the
Medicine to Mother and
Wash on baths around Child
once - out - Give Mother
mercurial dip in Solli's oil
and apply to skin constantly
Shaving of scales -

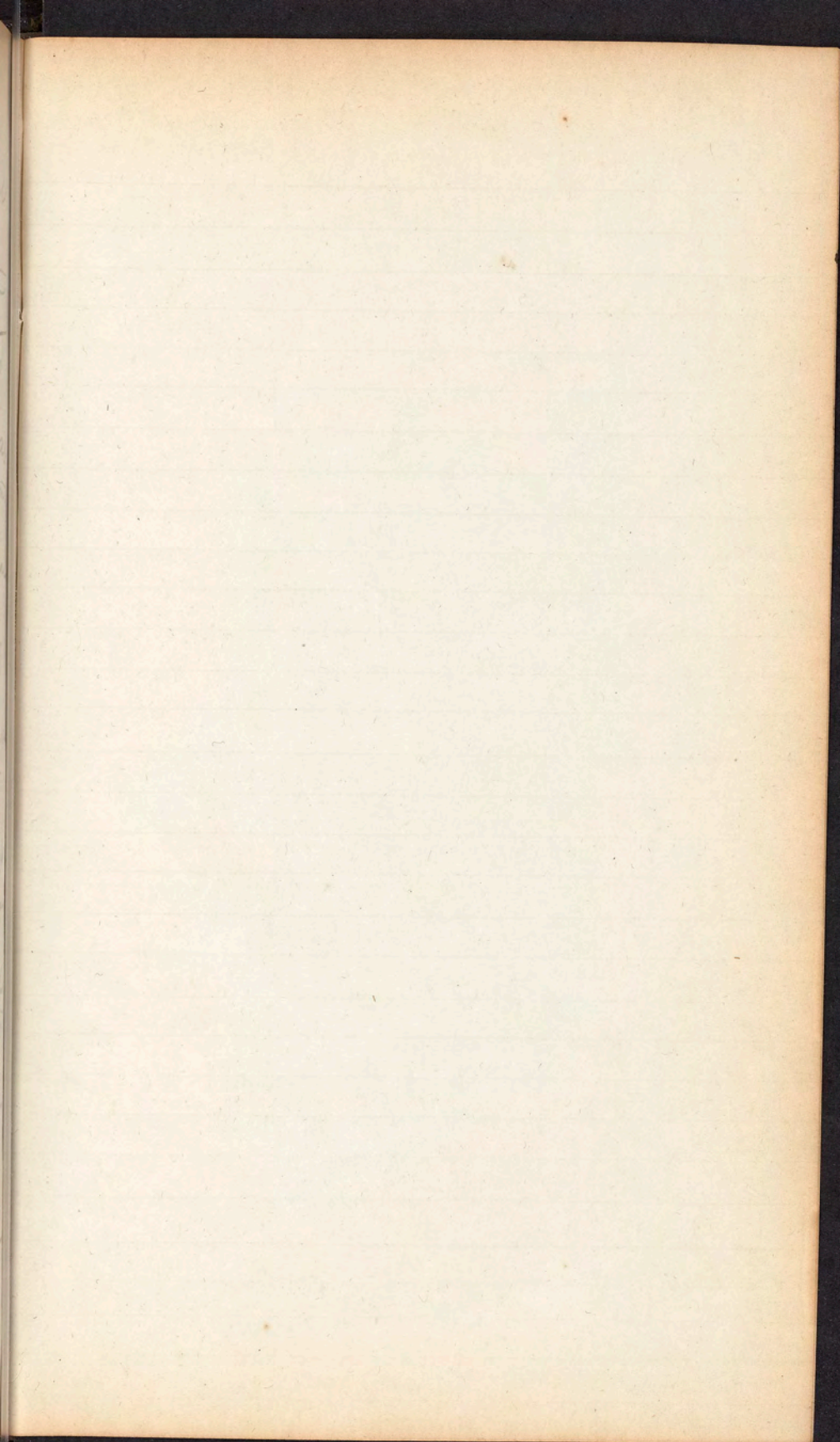
In Condyloma Adult have
diff case will come back
won't contract - Please off
alter system -

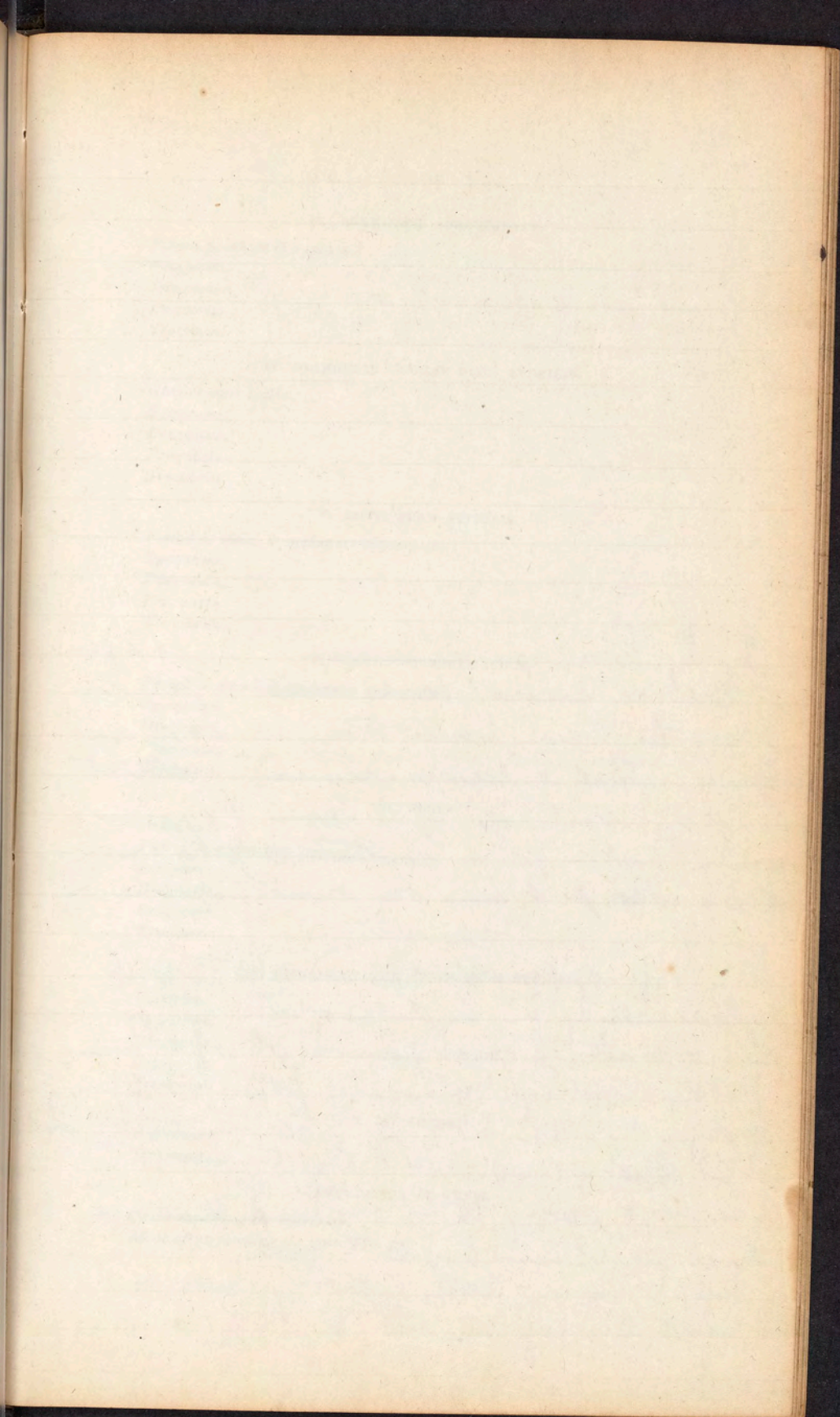
Cutaneous Eruption a pimple
on diff pt body dry up come back
Rosoloid Rash not so mild
Easily converted into vesicular Erupt-
ion diff to cure - This may be converted
into Ruptured Scab forming in large

Sometimes have on face reddish
base and diff color other pts
pustulous converted into scab
requires longer treat may have
fever and Const Symp -

Ectema - Scaly Erupt

Tubercular disease have a
lump under skin open and
become pithy. Change for
Scab and partly healed spots
in this the most diff form





* In Sy Rheu - some swelling in shape
of Node on some of bones - head or long -
Pain ten times greater than in ordinary
Specific treat is here necessary although
course - Antigale Sym Dover Powder
warm bath - and continue plain
six weeks put him on sweating stage

Note Inf - of perost - extend ult to bone
and result in a deposit of
ossy - matter - great pain - always local
1st stage swelling hard - 2 - pop - 3 open
and pus - 1st treat Blister Potass Iod
2nd Blister - and Iod Oint. Sometimes
swelling - owing to Serum and Plasma
and perostium down to bone
supp cons - take away bone and
treat simply ulcer

III. SYPHILITIC SORE THROAT.

Period at which it appears.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IV. GLANDULAR DISEASE FROM SYPHILIS.

Glands most liable.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

V. IRITIS FROM SYPHILIS.

Period at which it makes its appearance.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VI. SYPHILITIC RHEUMATISM.

Period at which it makes its appearance.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VII. NODES.

Definition.

Period at which they appear.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

VIII. DISEASE OF THE BONES FROM SYPHILIS.

Varieties.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

IX. ALOPECIA.

Definition.

Treatment.

AMPUTATION OF PENIS.

Cases requiring the operation.

Mode of performing the operation.

CANCER OF PENIS.

Symptoms.—Commencing with a wart, or a tubercle on the prepuce, frenum, or glans penis, and often remaining quiet for years. Being irritated, it becomes painful and enlarges, often rapidly and to a very great extent; ulceration then takes place, accompanied by a discharge of sanious fetid matter; pain, sometimes excessive; constitutional symptoms and inflammation of glands of groin.

Diagnosis.—May be confounded with venereal warts or simple tumors; in its ulcerated stage, with sloughing ulcers.

Tissue affected.

Prognosis.

Treatment.

XVI. DISEASES OF THE TESTIS.

Under this head are included diseases of the testis itself; diseases of the spermatic cord; and diseases of the scrotum.

I. DISEASES OF THE TESTIS.

SUPERNUMERARY TESTIS.

Numerical increase.—Generally one; three have been enumerated.

Diagnosis.—May be confounded with epiplocele, fatty or fibrous tumors in the scrotum, or an encysted hydrocele of the cord.

ABSENCE OF ONE OR BOTH TESTES.

Diagnosis.

Consequences.

IMPERFECT DESCENT OF THE TESTIS.

Varieties.—Where one or both testes have been detained in the abdomen near the internal ring, in the inguinal canal, or in the groin, just outside the external ring.

Causes.—Peritonitis before birth causing adhesions; congenital smallness of the external ring; want of power in the cremaster.

Consequences.—Depend on the situation of the testis; if it is retained within the abdomen, no uneasiness or inconvenience is experienced, nor are the generative functions likely to be interfered with; if, however, it should be retained within the canal, it is liable to compression by muscular action, it is exposed to injury from blows and various other causes, all of which may interfere with its development, may impede its nutrition, or excite disease.

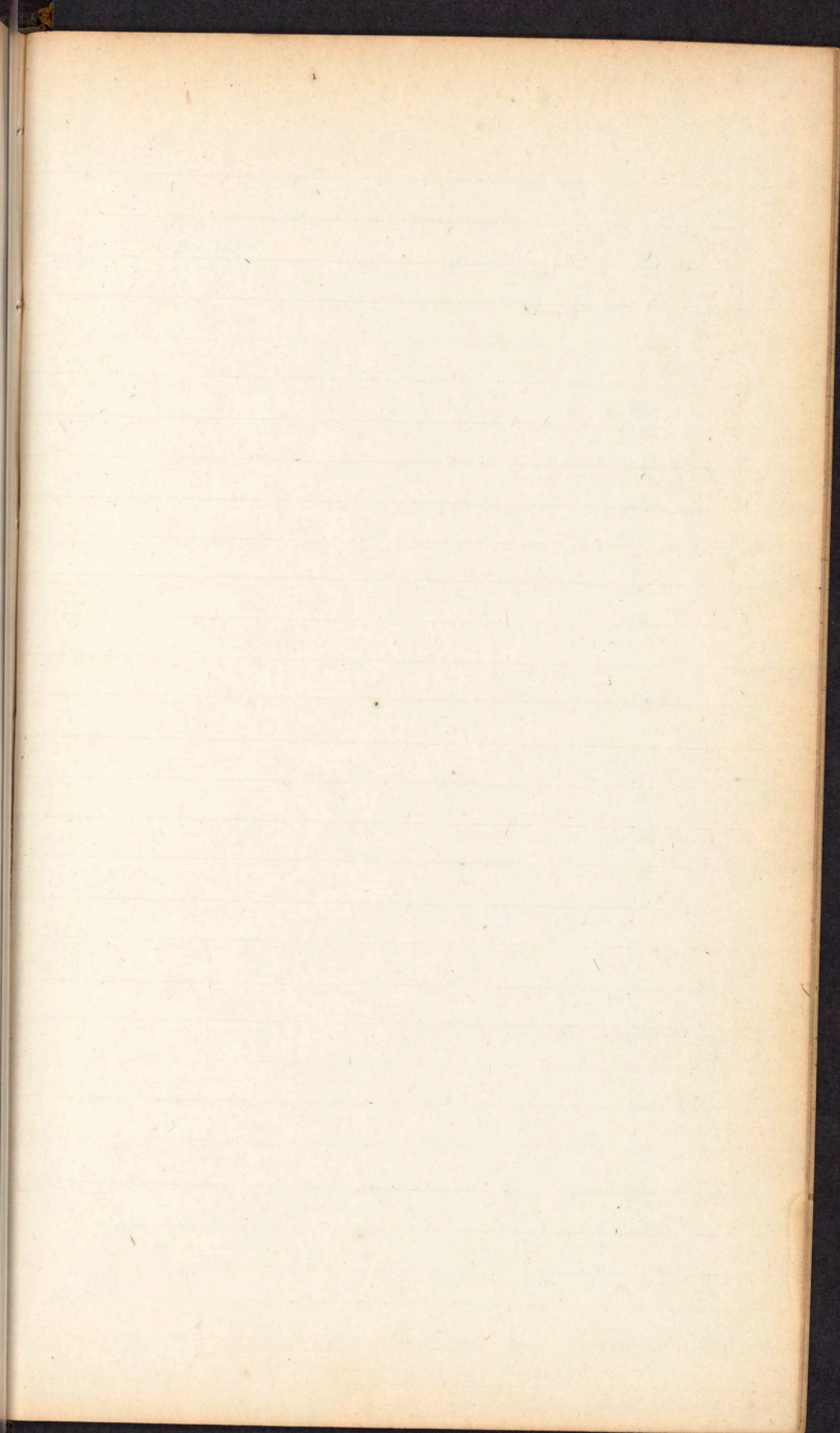
Diagnosis.—May be confounded with bubonocoele, &c.

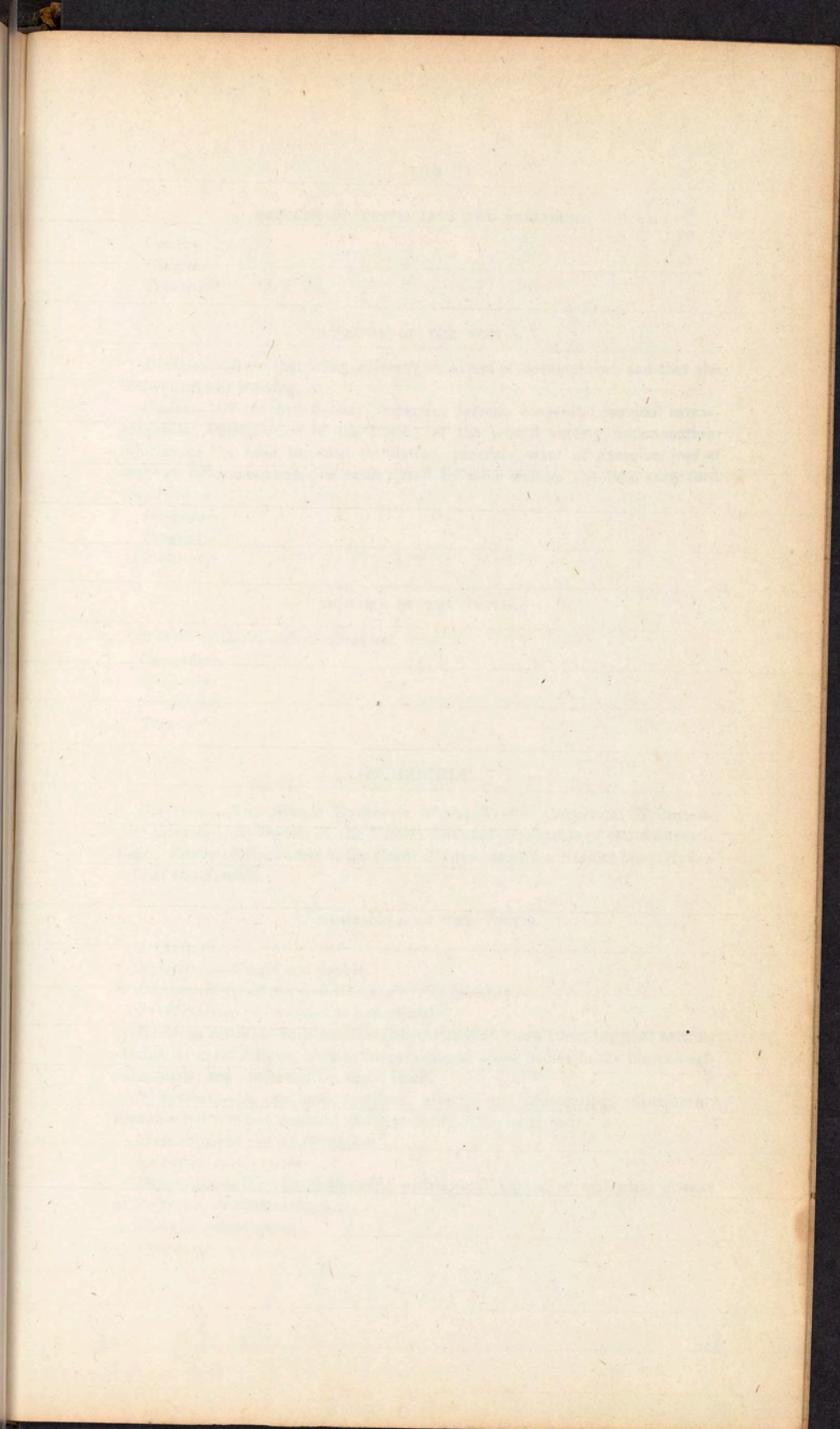
Importance of correct diagnosis.

Prognosis.

Treatment.

Alopecia - Cut off hair
Sulphur bath - give Iod Pot - or Mer
and Sarsap. Empirical Remedy -





DESCENT OF TESTIS INTO THE PERINEUM.

Causes.

Diagnosis.

Treatment.

ATROPHY OF THE TESTIS.

Division.—Into that which arises from arrest of development, and that the consequence of wasting.

Causes.—Of the first variety, imperfect descent, congenital inguinal hernia, congenital imperfection of the brain; of the second variety, inflammation, injuries of the head, impeded circulation, pressure, want of exercise, loss of nervous influence, excessive venery, and by some writers the long continued use of iodine.

Diagnosis.

Prognosis.

Treatment.

INJURIES OF THE TESTIS.

Nature of these.—Contusions and wounds.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

HYDROCELE.

Division.—Into Simple Hydrocele of the Testis; Congenital Hydrocele, and Encysted Hydrocele of the Testis; Diffused Hydrocele of the Spermatic Cord; Encysted Hydrocele of the Cord; Hydrocele of the Hernial Sac; Hydrocele of the Female.

I. HYDROCELE OF THE TESTIS.

Definition.

Varieties.—Single and double.

Characteristic of fluid.—Its nature; its quantity.

Predisposing causes.—Age and climate.

Exciting causes.—Inflammation, obstruction of circulation, inguinal herniæ, strains, or great fatigue, blows, the presence of loose bodies in the tunica vaginalis testis, and disease of the testis itself.

Symptoms.—A pyriform swelling, elastic, and fluctuating, transparent, movable but remains constant under pressure, little or no pain.

Time required for its formation.

Situation of the testis.

Diagnosis.—May be confounded with scrotal hernia, or malignant disease of the testis, or varicocele, &c.

Mode of examination.

Prognosis.

Treatment.—By external remedies and by operation; treatment by operation is either palliative or radical.

Nature of external remedies.—Cases to which they are suited.

Palliative treatment by operation —By tapping; by acupuncture.

Period required for its re-accumulation.

Radical treatment by operation.—By incision; excision; caustic; tent; seton; electro-puncture; and by injection.

Operation to be preferred.

Apparatus required.

Kinds of injection.

Dangers of operation.

Advantages of.

Complications.—Encysted hydrocele of the testis; encysted hydrocele of the cord; diffused hydrocele of the cord; oscheo-hydrocele.

II. CONGENITAL HYDROCELE OF THE TESTIS.

Definition.

Symptoms.

Diagnosis.—May be confounded with simple hydrocele, or reducible scrotal hernia.

Prognosis.

Treatment.—By truss and by injection.

Dangers of latter.

III. ENCYSTED HYDROCELE OF THE TESTIS.

Definition.

Structure of cyst.

Situation of cyst.—Either beneath that part of tun. vagin. testis covering the epididymis; between the tun. vaginal. testis and the tun. albuginea; or between the layers of the outer portion of the tunica vaginalis.

Usual situation.

Nature of fluid.

Symptoms.

Diagnosis.—May be confounded with simple hydrocele.

Prognosis.

Treatment.

Operation to be preferred.

IV. DIFFUSED HYDROCELE OF THE SPERMATIC CORD.

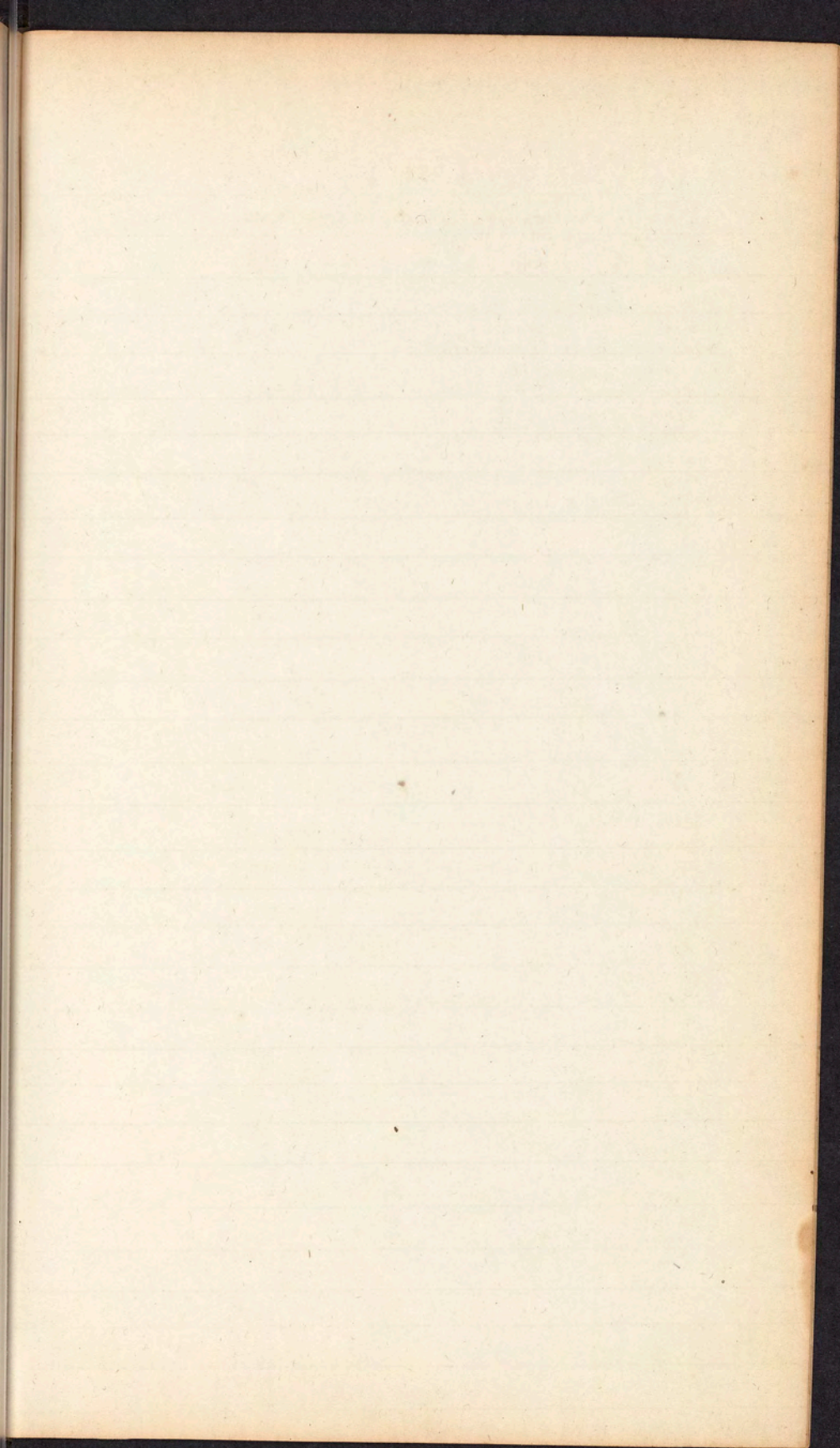
Nature and seat of disease.

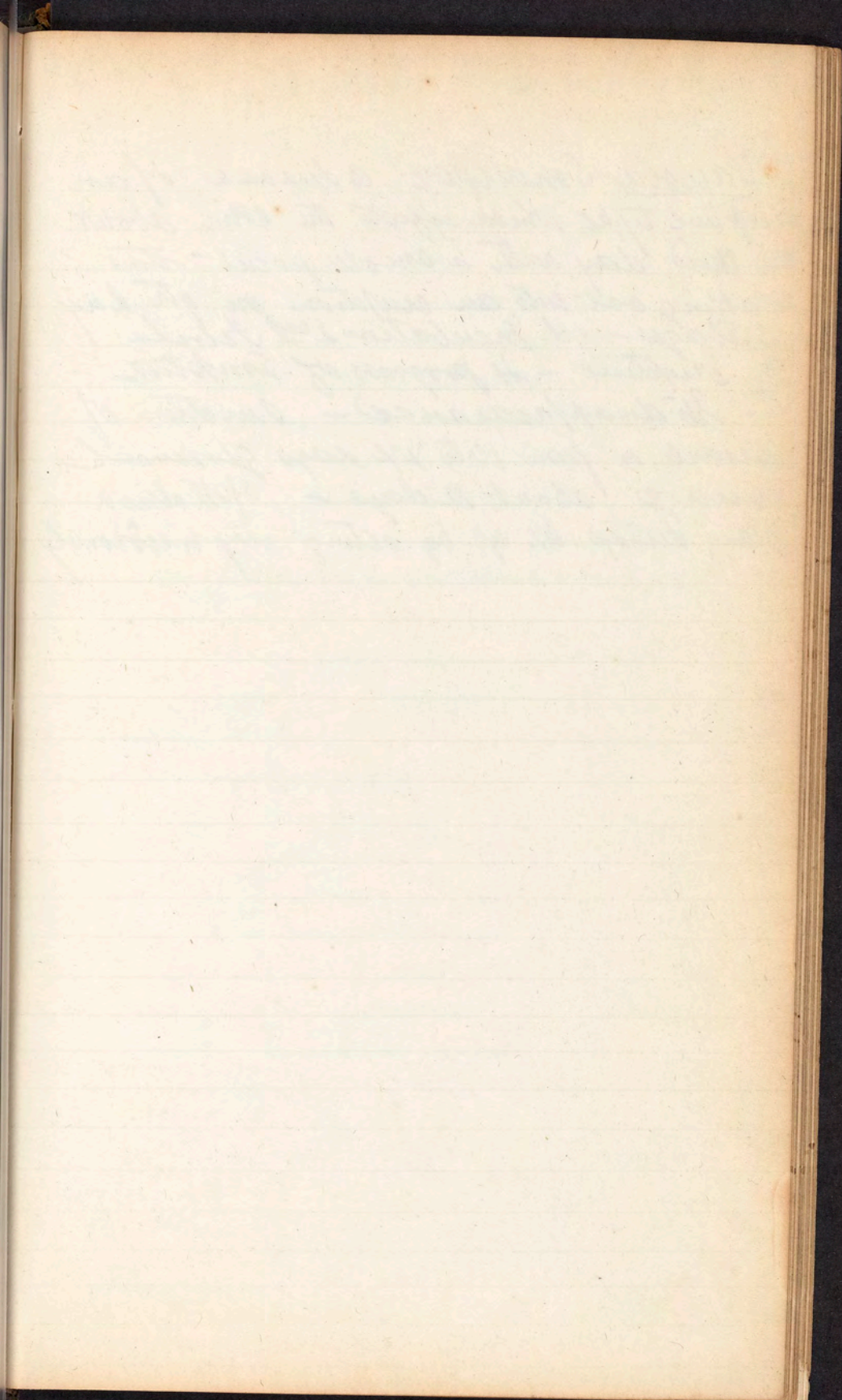
Symptoms.

Diagnosis.—May be confounded with an omental hernia, an encysted hydrocele, or varicocele, or retained testis.

Prognosis.—Favorable.

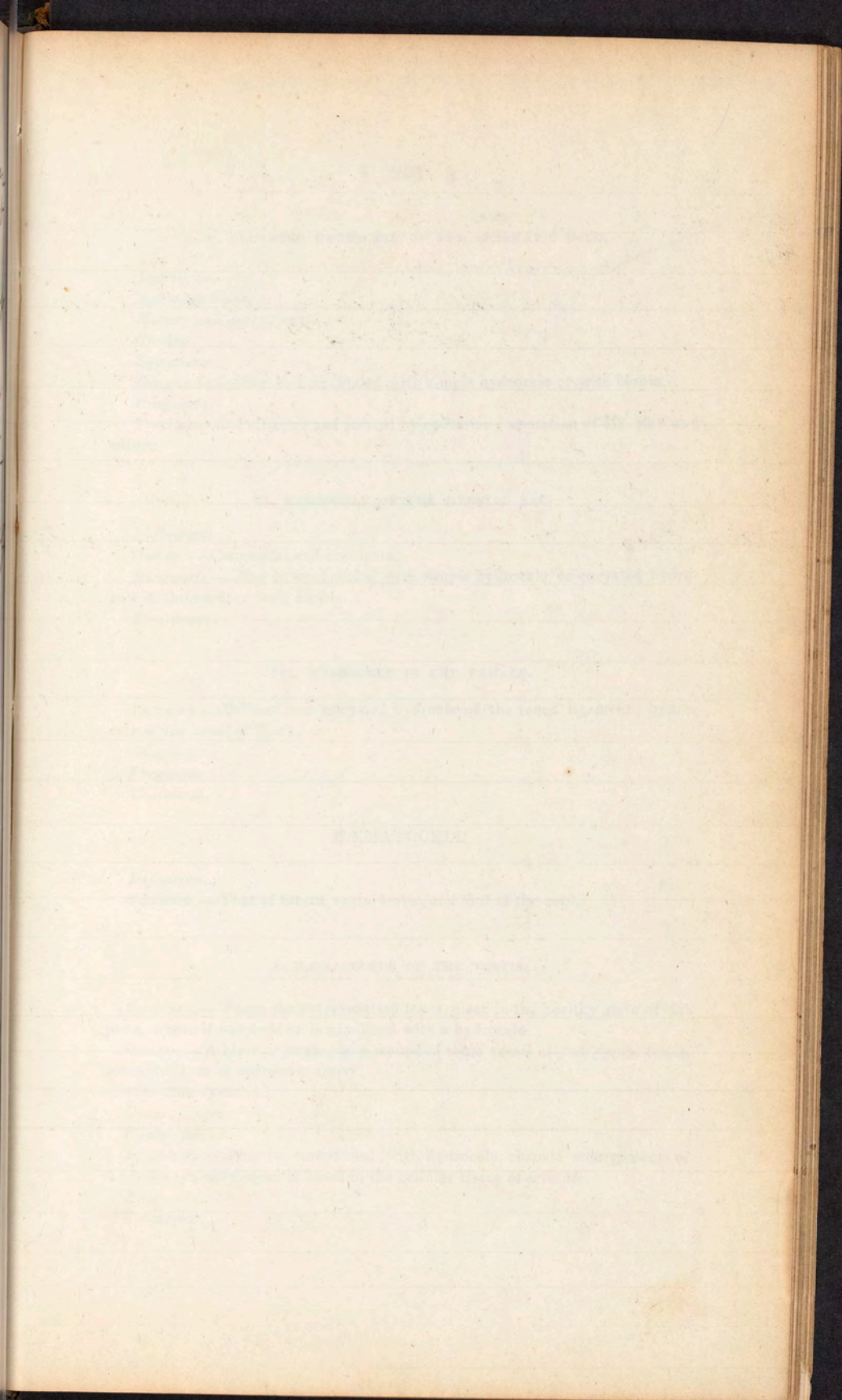
Treatment.





Varola Smallpox. a disease of an
eruptive type which affects the skin about
the third day with a small point - this
breaking out into an eruption on 9th day

5 Stages - 1st Incubation 2nd Eruption
3rd Eruption - 4th progress of Eruption
5th No disappearance - Duration of
disease is from 10 to 24 days general
average about 12 days - Ophthalmia
often destroys the eye by acting very insidiously



1. *Incubation* - A process of an
egg which occurs in the
egg with a small period
of time, and into an embryo of the
egg - 1st Incubation - 2nd Incubation
- 3rd Incubation - 4th Incubation
- 5th Incubation - 6th Incubation
- 7th Incubation - 8th Incubation
- 9th Incubation - 10th Incubation
- 11th Incubation - 12th Incubation
- 13th Incubation - 14th Incubation
- 15th Incubation - 16th Incubation
- 17th Incubation - 18th Incubation
- 19th Incubation - 20th Incubation
- 21st Incubation - 22nd Incubation
- 23rd Incubation - 24th Incubation
- 25th Incubation - 26th Incubation
- 27th Incubation - 28th Incubation
- 29th Incubation - 30th Incubation
- 31st Incubation - 32nd Incubation
- 33rd Incubation - 34th Incubation
- 35th Incubation - 36th Incubation
- 37th Incubation - 38th Incubation
- 39th Incubation - 40th Incubation
- 41st Incubation - 42nd Incubation
- 43rd Incubation - 44th Incubation
- 45th Incubation - 46th Incubation
- 47th Incubation - 48th Incubation
- 49th Incubation - 50th Incubation
- 51st Incubation - 52nd Incubation
- 53rd Incubation - 54th Incubation
- 55th Incubation - 56th Incubation
- 57th Incubation - 58th Incubation
- 59th Incubation - 60th Incubation
- 61st Incubation - 62nd Incubation
- 63rd Incubation - 64th Incubation
- 65th Incubation - 66th Incubation
- 67th Incubation - 68th Incubation
- 69th Incubation - 70th Incubation
- 71st Incubation - 72nd Incubation
- 73rd Incubation - 74th Incubation
- 75th Incubation - 76th Incubation
- 77th Incubation - 78th Incubation
- 79th Incubation - 80th Incubation
- 81st Incubation - 82nd Incubation
- 83rd Incubation - 84th Incubation
- 85th Incubation - 86th Incubation
- 87th Incubation - 88th Incubation
- 89th Incubation - 90th Incubation
- 91st Incubation - 92nd Incubation
- 93rd Incubation - 94th Incubation
- 95th Incubation - 96th Incubation
- 97th Incubation - 98th Incubation
- 99th Incubation - 100th Incubation

V. ENCYSTED HYDROCELE OF THE SPERMATIC CORD.

Definition.

Age most liable.

Nature and seat of cyst.

Causes.

Symptoms.

Diagnosis.—May be confounded with simple hydrocele or with hernia.

Prognosis.

Treatment.—Palliative and radical by operation; operation of Mr. Hey and others.

VI. HYDROCELE OF THE HERNIAL SAC.

Definition.

Causes.—Congenital and accidental.

Diagnosis.—May be confounded with simple hydrocele, or encysted hydrocele of the cord, or with hernia.

Treatment.

VII. HYDROCELE IN THE FEMALE.

Varieties.—Diffused and encysted hydrocele of the round ligament; hydrocele of the canal of Nuck.

Diagnosis.

Prognosis.

Treatment.

HÆMATOCELE.

Definition.

Varieties.—That of tunica vagin. testis, and that of the cord.

I. HÆMATOCELE OF THE TESTIS.

Varieties.—Where the extravasation takes place in the healthy state of the parts, where it succeeds or is combined with a hydrocele.

Causes.—A blow or strain, or a wound of some vessel of tun. vagin. testis, testis itself, or of spermatic artery.

Situation of testis.

Consequences.

Symptoms.

Diagnosis.—May be confounded with hydrocele, chronic enlargement of the testis, extravasation of blood in the cellular tissue of scrotum.

Prognosis.

Treatment.

II. HÆMATOCELE OF THE SPERMATIC CORD.

Causes.

Liability of occurrence.—Rare.

Symptoms.

Diagnosis.—May be confounded with diffused hydrocele of the cord.

Prognosis.—Favorable.

Treatment.

ACUTE ORCHITIS.

Varieties.—Primary and consecutive.

Exciting causes.—Contusion, compression, great excitement of the sexual organs, metastasis from salivary glands, an inflammatory action of the urethra.

Predisposing causes.—Scrofula.

Symptoms.—Local and Constitutional, and vary with the form.

Diagnosis.—May be confounded with strangulated inguinal hernia, imperfect descent of testis, &c.

Prognosis.—Generally favorable, varies, however, with the cause.

Consequences.

Terminations.—Resolution, hardening, suppuration.

Treatment.—Leeching, venesæction, cold and warm lotions, purging, compression, &c.

II. CHRONIC ORCHITIS.

Anatomical characters.

Consequences.

Causes.—Slight contusions, venereal excesses, masturbation, urethral disease, syphilis.

Symptoms.—Usually of an indolent character.

Terminations.—Resolution, suppuration, ulceration, sinuses and formation of spermatic fistulæ, hernia testis.

Diagnosis.—May be confounded with carcinoma of testis, hæmatocele.

Prognosis.—Generally favorable.

Treatment.—Chiefly constitutional, mercury.

TUBERCULAR DISEASE OF THE TESTIS.

Seat.

Causes.

Age liable.—Rarely until after puberty.

Symptoms.—Insidious in their approach and indolent in their progress.

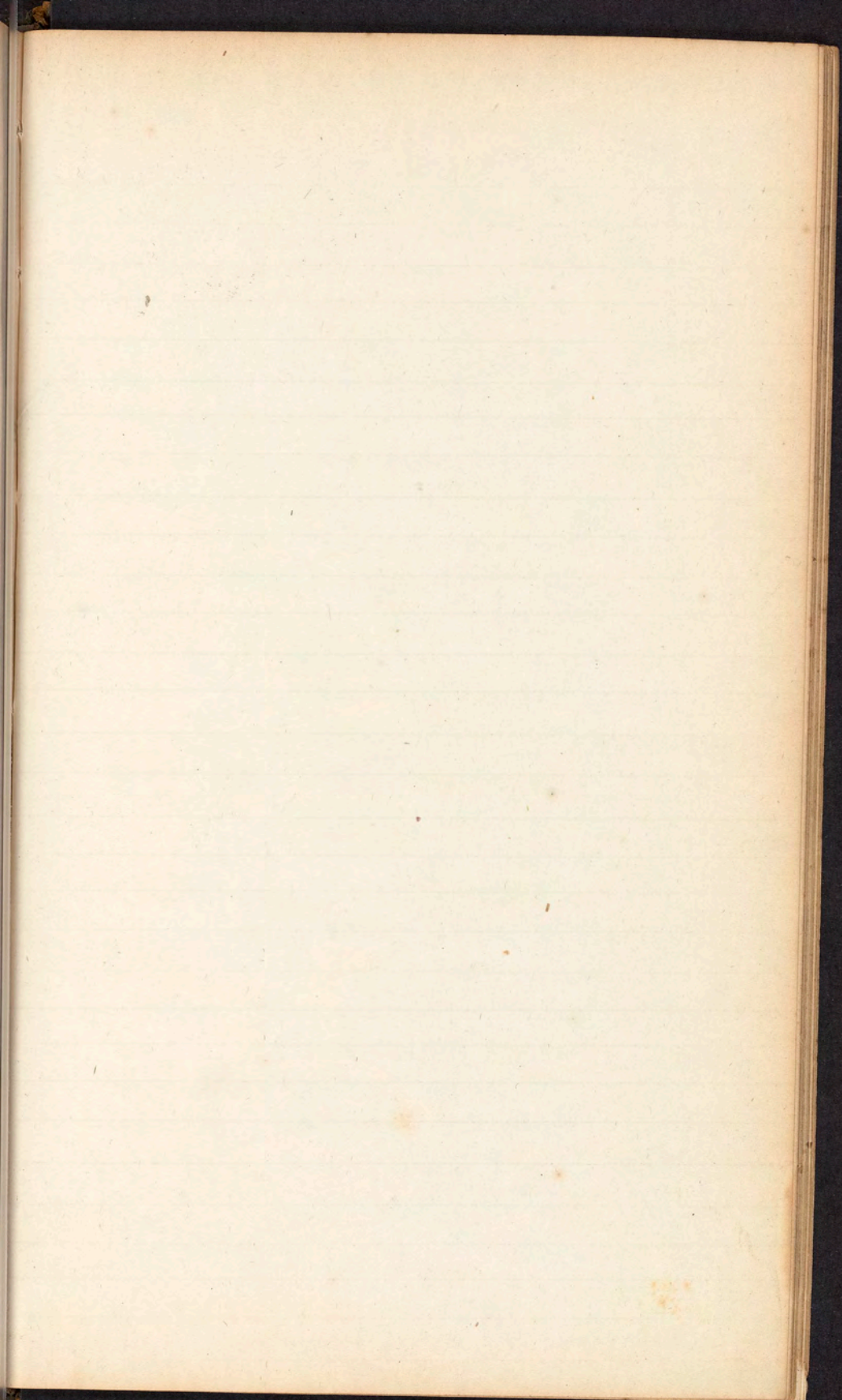
Diagnosis.—May be confounded with chronic orchitis, and malignant disease of the testis.

Prognosis.

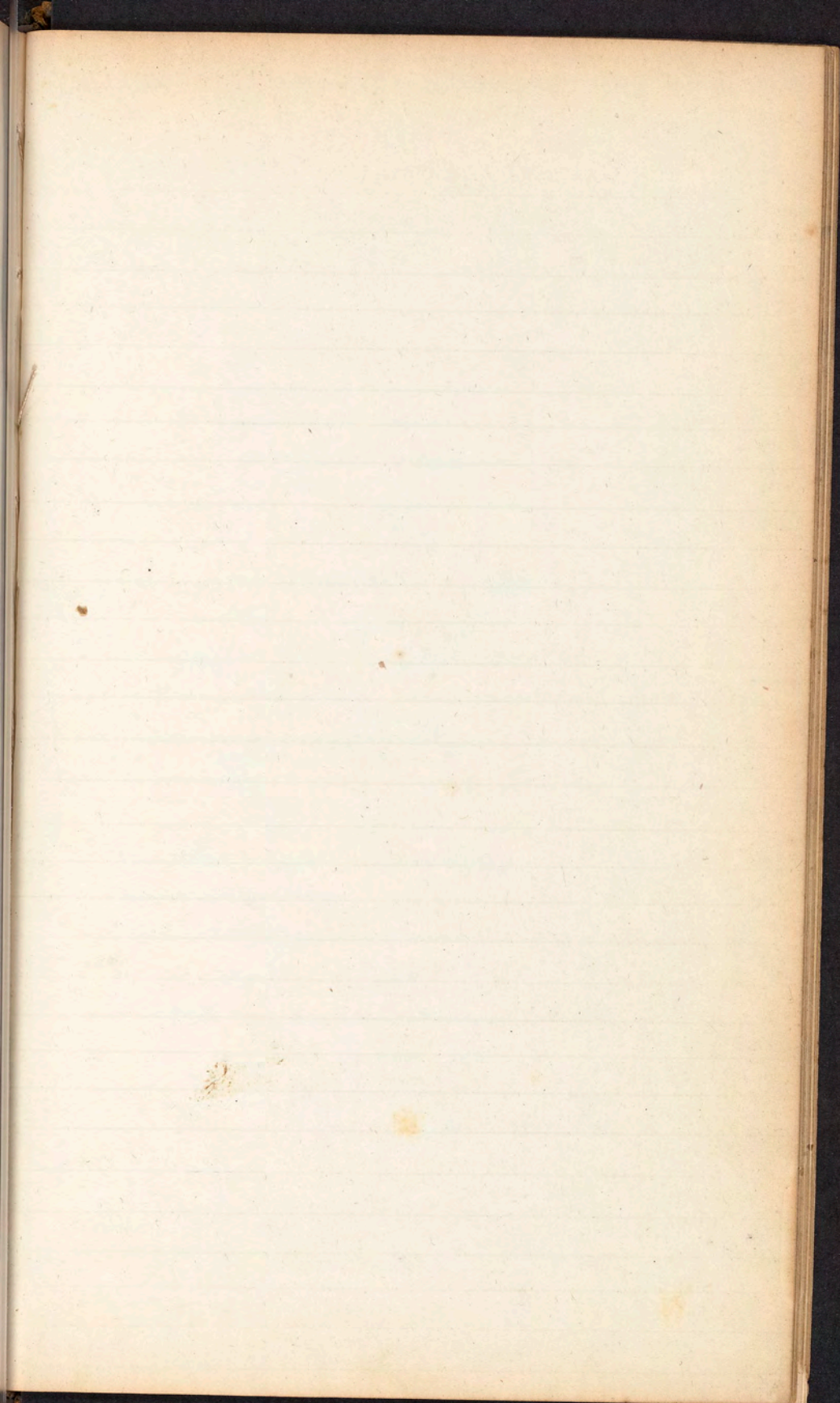
Treatment.—Tonic.

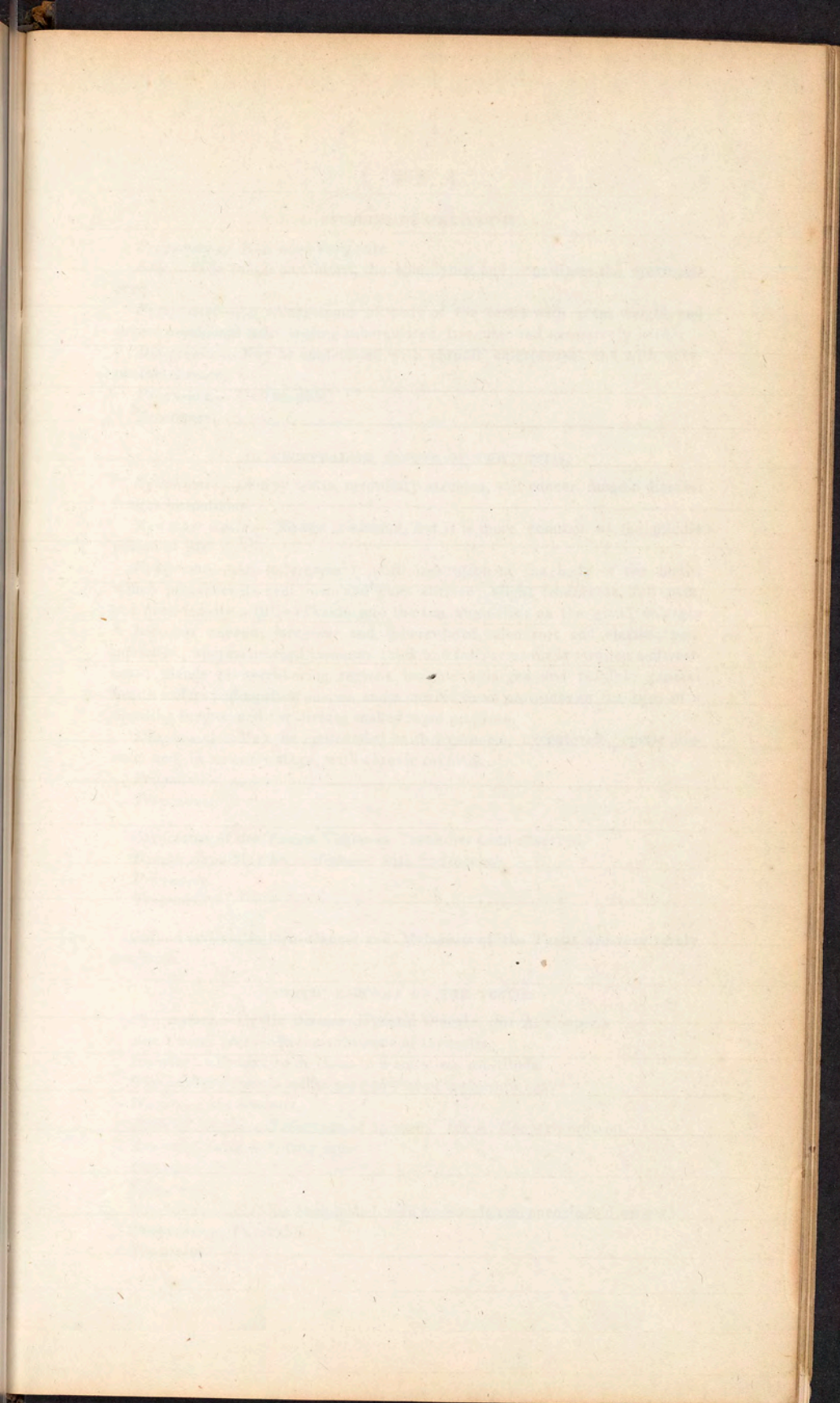
CARCINOMA OF THE TESTIS.

Varieties.—Scirrhus, Encephaloid, Colloid and Melanosis.



THE HISTORY OF THE
CITY OF BOSTON
FROM THE FIRST SETTLEMENT
TO THE PRESENT TIME
IN TWO VOLUMES
BY NATHANIEL BENTLEY
OF THE BARRISTER AT LAW
IN 1786
LONDON: PRINTED BY J. JOHNSON, ST. PAULS CHURCH-YARD
1786





I. SCIRRHUS OF THE TESTIS.

Frequency of disease.—Very rare.

Seat.—The tubuli seminiferi, the epididymis and sometimes the spermatic cord.

Symptoms.—An enlargement of body of the testis with great weight, and severe occasional pain, feeling tuberculated, irregular and excessively hard.

Diagnosis.—May be confounded with chronic enlargement and with encephaloid disease.

Prognosis.—Unfavorable.

Treatment.

II. ENCEPHALOID CANCER OF THE TESTIS.

Synonymes.—Pulpy testis, medullary sarcoma, soft cancer, fungoid disease, fungus hæmatodes.

Age most liable.—No age is exempt, but it is more common at the middle period of life.

Symptoms.—An enlargement, with induration of the body of the testis, which preserves its oval form and even surface; slight tenderness, dull pain, and occasionally a little effusion into the tun. vaginalis; as the gland enlarges it becomes uneven, irregular and tuberculated, also soft and elastic; pain increases; spermatic cord becomes thick and full, scrotum is swollen and varicose; glands of neighboring regions become enlarged and painful; general health suffers; ulceration ensues, and a morbid mass protrudes in the form of a bleeding fungus, and the disease makes rapid progress.

Diagnosis.—May be confounded with hydrocele, hæmatocele, cystic disease, and, in its early stage, with chronic orchitis.

Prognosis.

Treatment.

Carcinoma of the Tunica Vaginalis Testis has been observed.

Diagnosis.—May be confounded with hydrocele.

Prognosis.

Treatment.

Colloid or Gelatiniform Cancer and Melanosis of the Testis are very rarely met with.

CYSTIC SARCOMA OF THE TESTIS.

Synonymes.—Cystic Disease, Hydatid Disease, (Sir A. Cooper.)

Anatomical seat.—In the substance of the testis.

Number.—From two or three to a countless multitude.

Size.—Vary from a millet seed to that of a pigeon's egg.

Nature of the contents.

Mode of origin.—Difference of opinion. Sir A. Cooper's opinion.

Age most liable.—Middle age.

Causes.

Symptoms.

Diagnosis.—May be confounded with hydrocele and encephaloid cancer.

Prognosis.—Favorable.

Treatment.

FIBROUS TRANSFORMATION OF THE TESTIS.

Anatomical seat.

Consequences.

Diagnosis.—May be confounded with malignant disease.

Prognosis.

Treatment.

OSSIFIC DEPOSITS IN THE TESTIS.

Anatomical seat.—Between the tunica, or in the epididymis.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

LOOSE CARTILAGES IN THE TUNICA VAGINALIS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

NERVOUS DISEASES OF THE TESTIS.

Varieties.—An exaltation of the natural sensibility of the part, or the irritable testis of most writers, and neuralgia of the spermatic nerves.

1. IRRITABLE TESTIS.

Symptoms.—No perceptible alteration in the parts, but a morbid sensibility accompanied by pain, and generally referred to one particular spot.

Causes.—Constitutional, chiefly.

Diagnosis.

Prognosis.

Treatment.

2. NEURALGIA OF THE TESTIS.

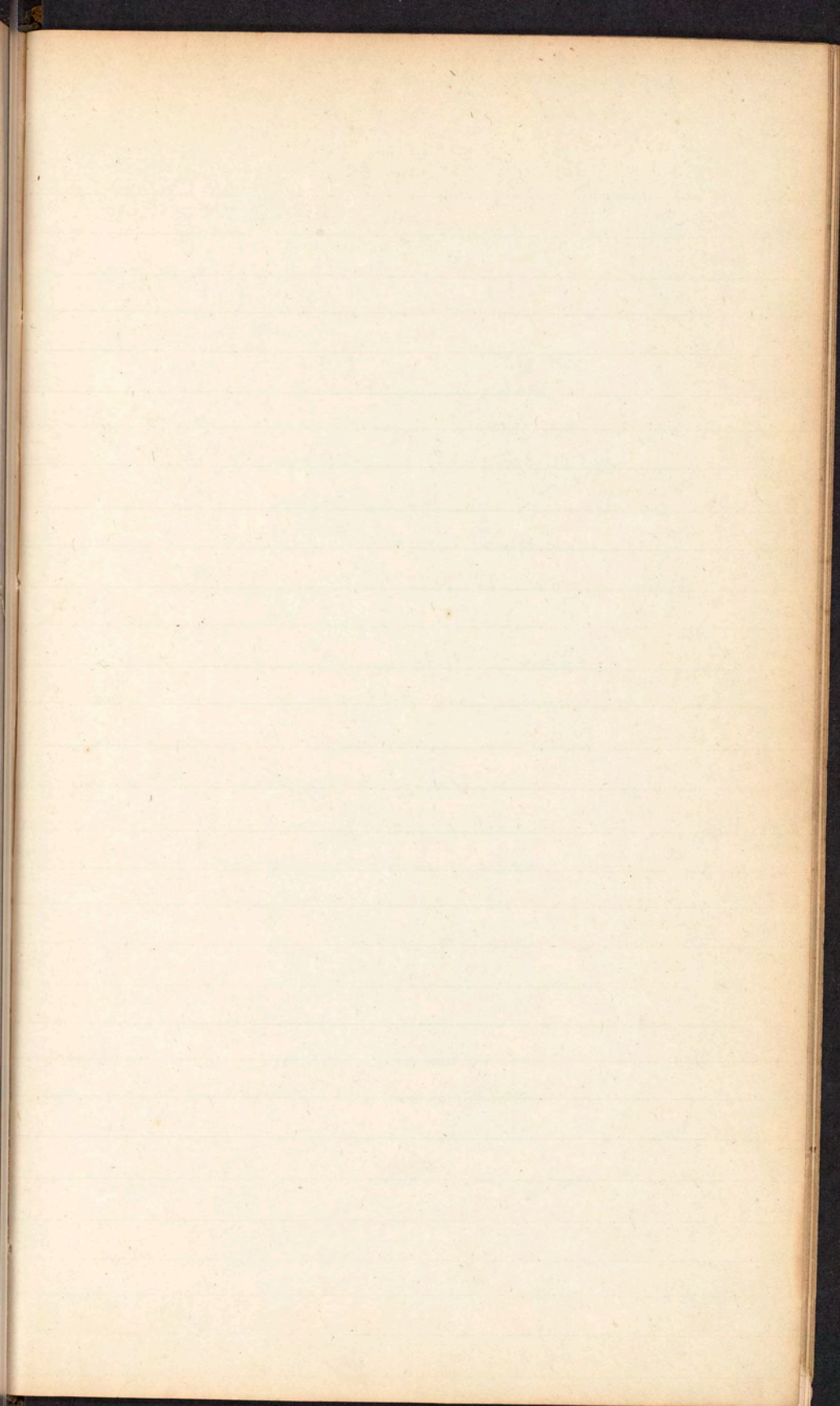
Causes.—Disease of the kidney, the passage of a calculus along the ureter, varicocele, orchitis, but often the cause is hidden.

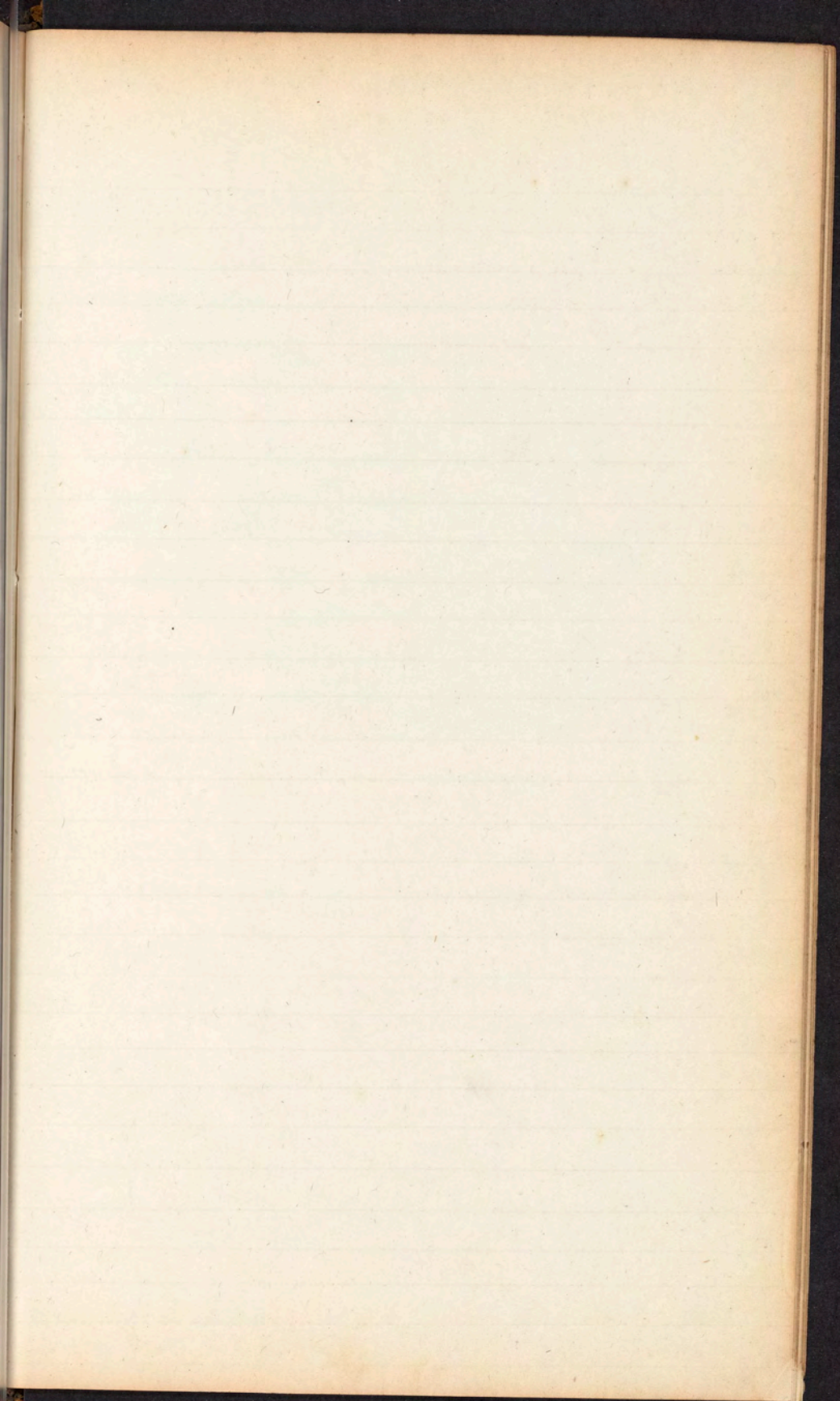
Symptoms.—Sudden, severe, remitting pain, either of a lancinating or of a dragging or pricking character, and is commonly attended with spasmodic action of the cremaster, and sometimes with nausea and vomiting.

Diagnosis.

Prognosis.

Treatment.





CHAPTER I. THE HISTORY OF THE

CHAPTER I.
THE HISTORY OF THE
CHAPTER I.
THE HISTORY OF THE

CHAPTER II. THE HISTORY OF THE

CHAPTER II.
THE HISTORY OF THE
CHAPTER II.
THE HISTORY OF THE

CHAPTER III. THE HISTORY OF THE

CHAPTER III.
THE HISTORY OF THE
CHAPTER III.
THE HISTORY OF THE

CHAPTER IV. THE HISTORY OF THE

CHAPTER IV.
THE HISTORY OF THE
CHAPTER IV.
THE HISTORY OF THE

CHAPTER V. THE HISTORY OF THE

CHAPTER V.
THE HISTORY OF THE
CHAPTER V.
THE HISTORY OF THE

CHAPTER VI. THE HISTORY OF THE

CHAPTER VII. THE HISTORY OF THE

CHAPTER VIII. THE HISTORY OF THE

CHAPTER IX. THE HISTORY OF THE

CHAPTER IX.
THE HISTORY OF THE
CHAPTER IX.
THE HISTORY OF THE

CHAPTER X. THE HISTORY OF THE

CHAPTER X.
THE HISTORY OF THE

HARDENING OF THE EPIDIDYMIS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABSCESS OF THE TESTIS AND EPIDIDYMIS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FISTULA.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

FUNGUS OF THE TESTIS.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CASTRATION.

Definition.

History of operation.

Diseases rendering it necessary.—The different forms of carcinoma; tubercular disease, cystic disease, some of the terminations of inflammation, severe neuralgia combined with varicocele.

Steps of the operation.

Dangers.

OPERATIONS REQUIRED IN IMPERFECT DESCENT OF TESTIS.

II. DISEASES OF THE SPERMATIC CORD.

VARICOCELE.

Definition.—A morbid dilatation of the spermatic veins.

Division into varicocele and circocoele not employed.

Appearances on dissection.

Testis most liable.

Causes.—Anatomical structure, and accidental causes.

Effects.

Symptoms.

Time required in formation.

Diagnosis.—May be confounded with scrotal hernia, or a congenital hydrocele, &c.

Prognosis.

Treatment.—Palliative and radical; Sir A. Cooper's operation; Ricord's operation; Sir B. Brodie's by division of the vessels; Celsus by ligature; modifications of operation by ligature; Breschet's by compression or excision; Pancoast's operation. The truss.

Relative value of each.

ADIPOSE TUMORS OF THE SPERMATIC CORD.

Age most liable.—Advanced age.

Symptoms.—Loose movable tumour, of a soft doughy feel and lobular character.

Diagnosis.—May be confounded with omental hernia, or varicocele, or hydrocele.

Prognosis.

Treatment.

SPASM OF THE CREMASTER.

Causes.—Generally symptomatic.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

III. DISEASES OF THE SCROTUM.

WOUNDS OF THE SCROTUM.

Nature.

Causes.

Characteristics of contusions.

Diagnosis.

Prognosis.

Treatment.

PRURIGO SCROTI.

Definition.

Symptoms.

Age most liable.—Adult.

Causes.

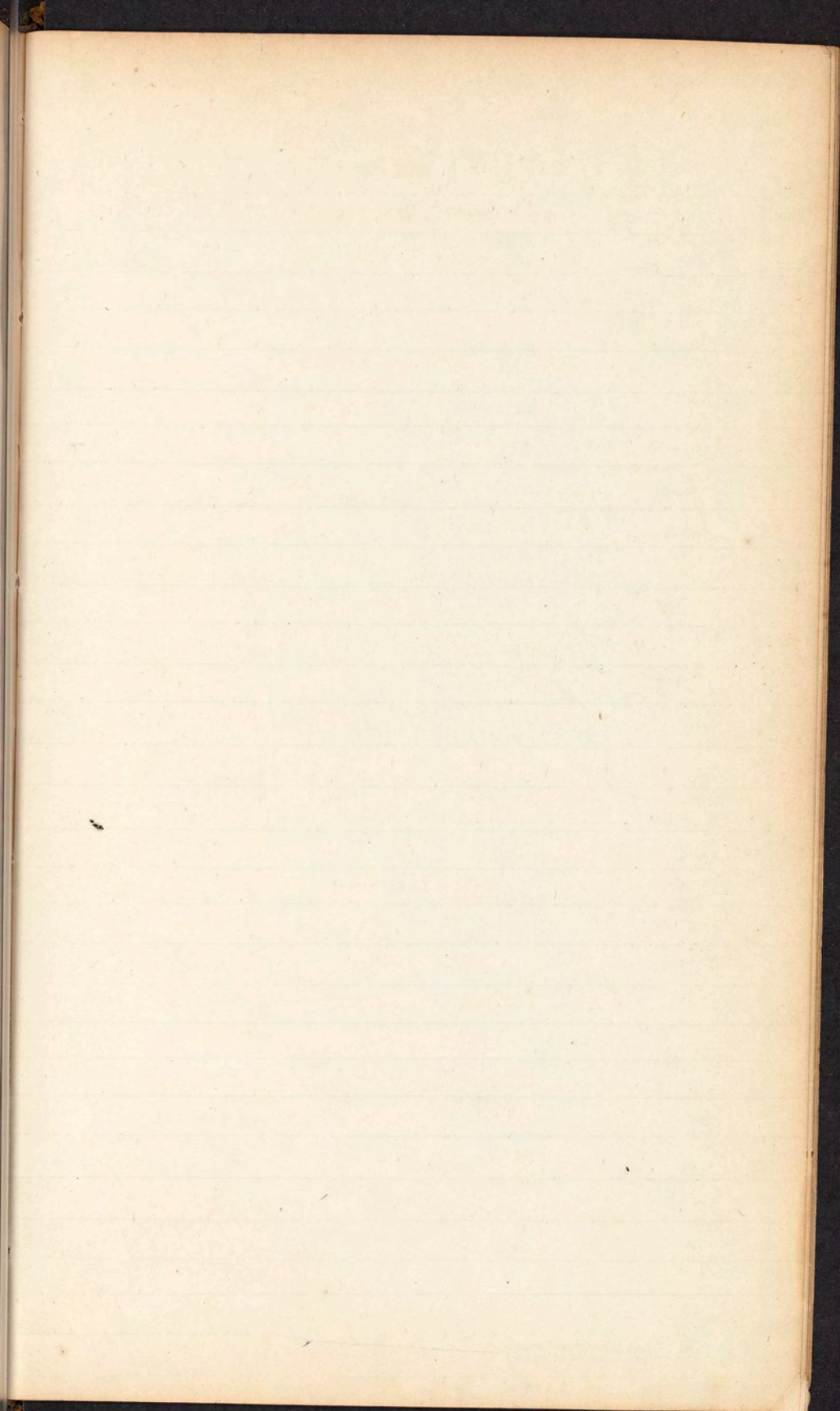
Prognosis.

Treatment.

VARICOSE VEINS OF THE SCROTUM.

Age most liable.—Old age.

Treatment.



1870-1871

1872-1873

1874-1875

1876-1877

1878-1879

1880-1881

1882-1883

1884-1885

1886-1887

1888-1889

1890-1891

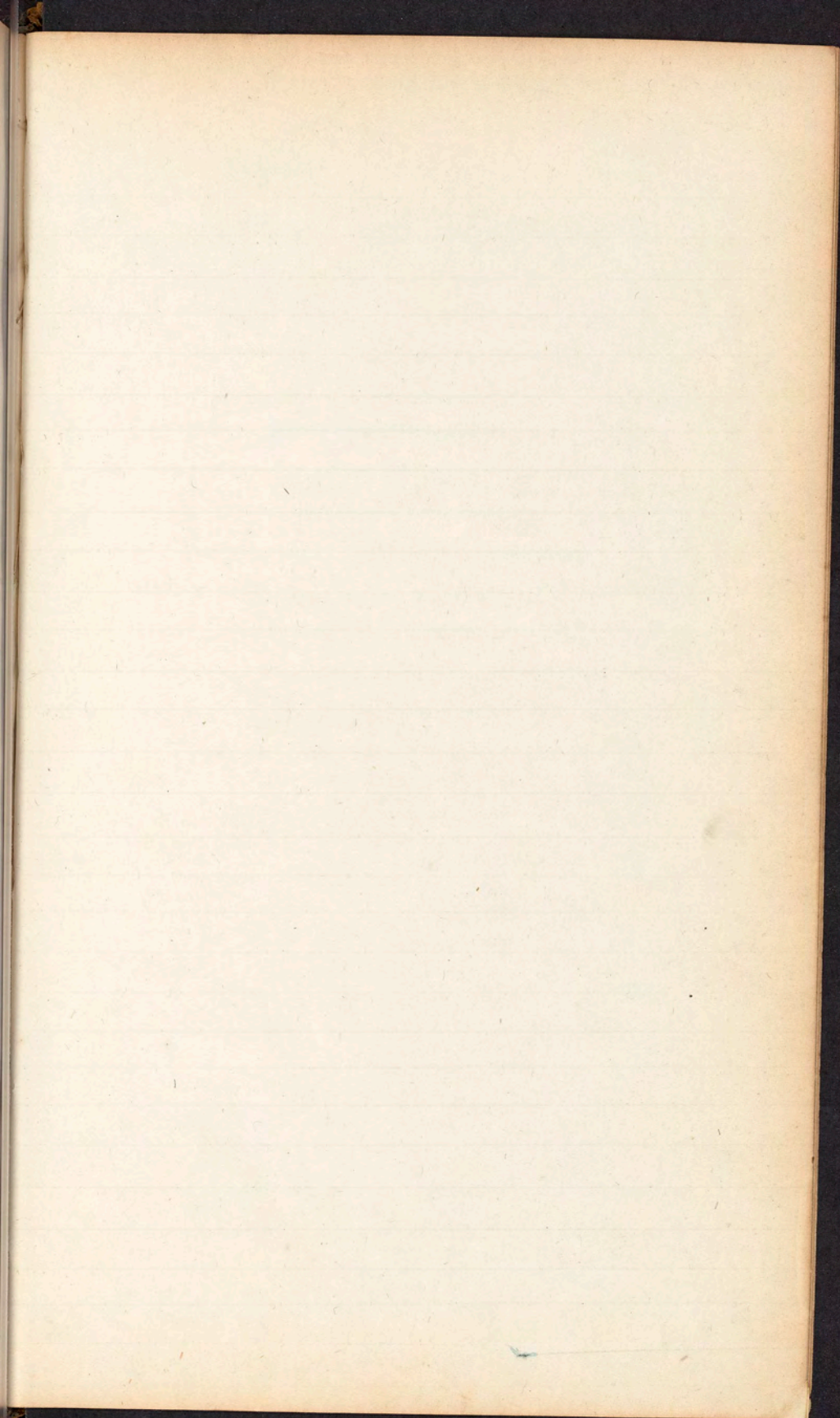
1892-1893

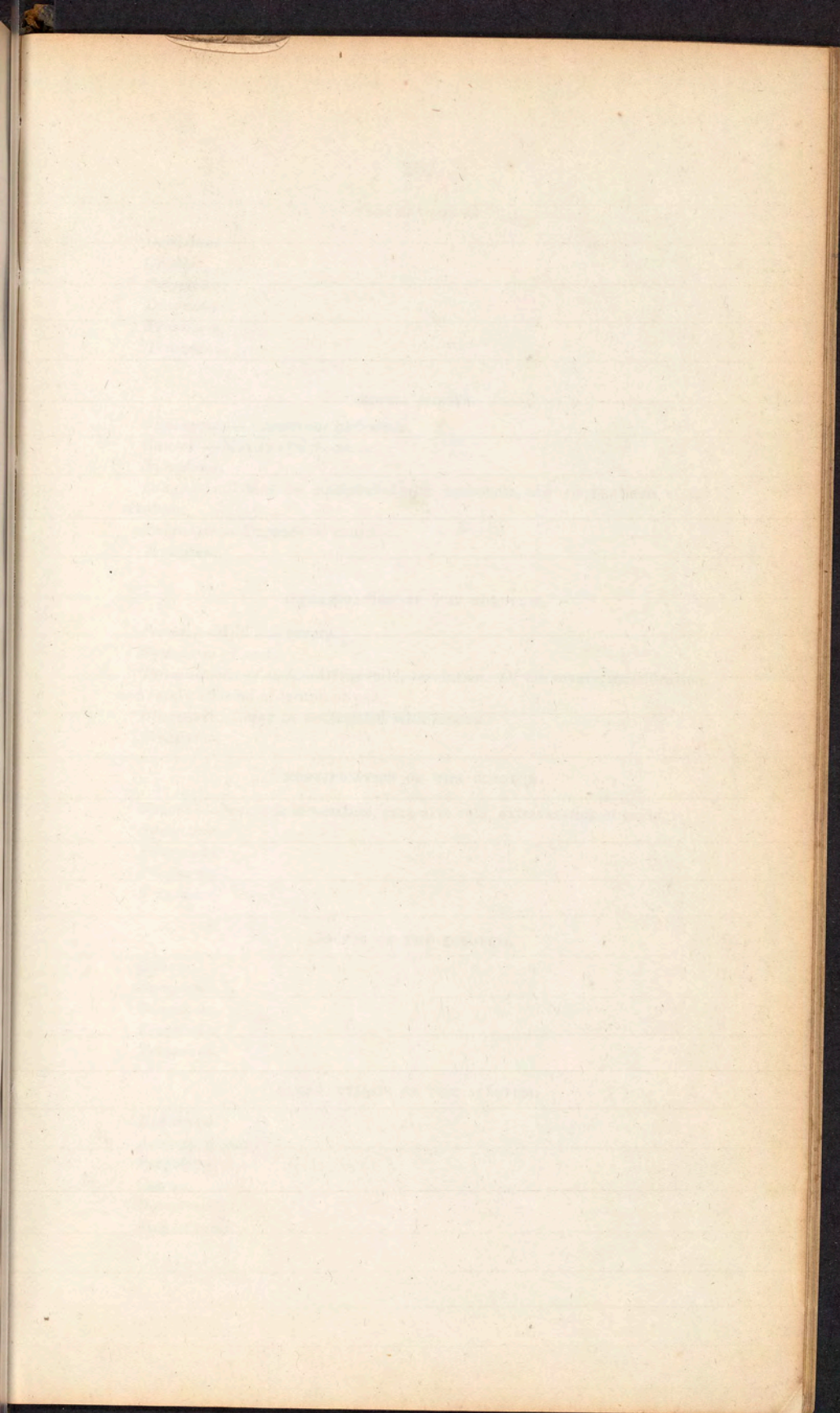
1894-1895

1896-1897

1898-1899

1900-1901





PNEUMATOCELE.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ŒDEMA SCROTI.

Synonyme.—Anasaruous hydrocele.

Causes.—Mostly symptomatic.

Symptoms.

Diagnosis.—May be confounded with hydrocele, and elephantiasis of the scrotum.

Prognosis.—Depends on cause.

Treatment.

INFLAMMATION OF THE SCROTUM.

Forms.—Mild and severe.

Symptoms of each.

Terminations of each.—Of the mild, resolution. Of the severe, mortification, and rarely effusion of lymph or pus.

Diagnosis.—May be confounded with œdema.

Treatment.

MORTIFICATION OF THE SCROTUM.

Causes.—Severe inflammation, excessive cold, extravasation of urine.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ABSCESS OF THE SCROTUM.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

ELEPHANTIASIS OF THE SCROTUM.

Definition.

Anatomical seat.

Pathology.

Causes.

Symptoms.

Size of tumor.

Complications.—Scrotal hernia and hydrocele.

Diagnosis.—May be confounded with œdema, &c.

Prognosis.

Treatment.

Dangers of operation.

HYPERTROPHY OF THE SCROTUM.

Definition.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

CANCER OF THE SCROTUM.

Synonyme.—Chimney-sweeper's cancer.

Symptoms.

Causes.

Diagnosis.

Prognosis.—Unfavorable.

Treatment.

MELANOSIS OF THE SCROTUM—RARELY MET WITH.

TUMORS OF THE SCROTUM.

Varieties met with.—Adipose, fibrous, &c. &c.

Anatomical seat.

Causes.

Symptoms.

Diagnosis.

Prognosis.

Treatment.

RESTORATION OF THE SCROTUM.

Causes demanding the operation.

Mode of performance.

IMPOTENCE.

Definition.

Difference between impotence and sterility.

Sex most liable—The male to impotency, the female to sterility.

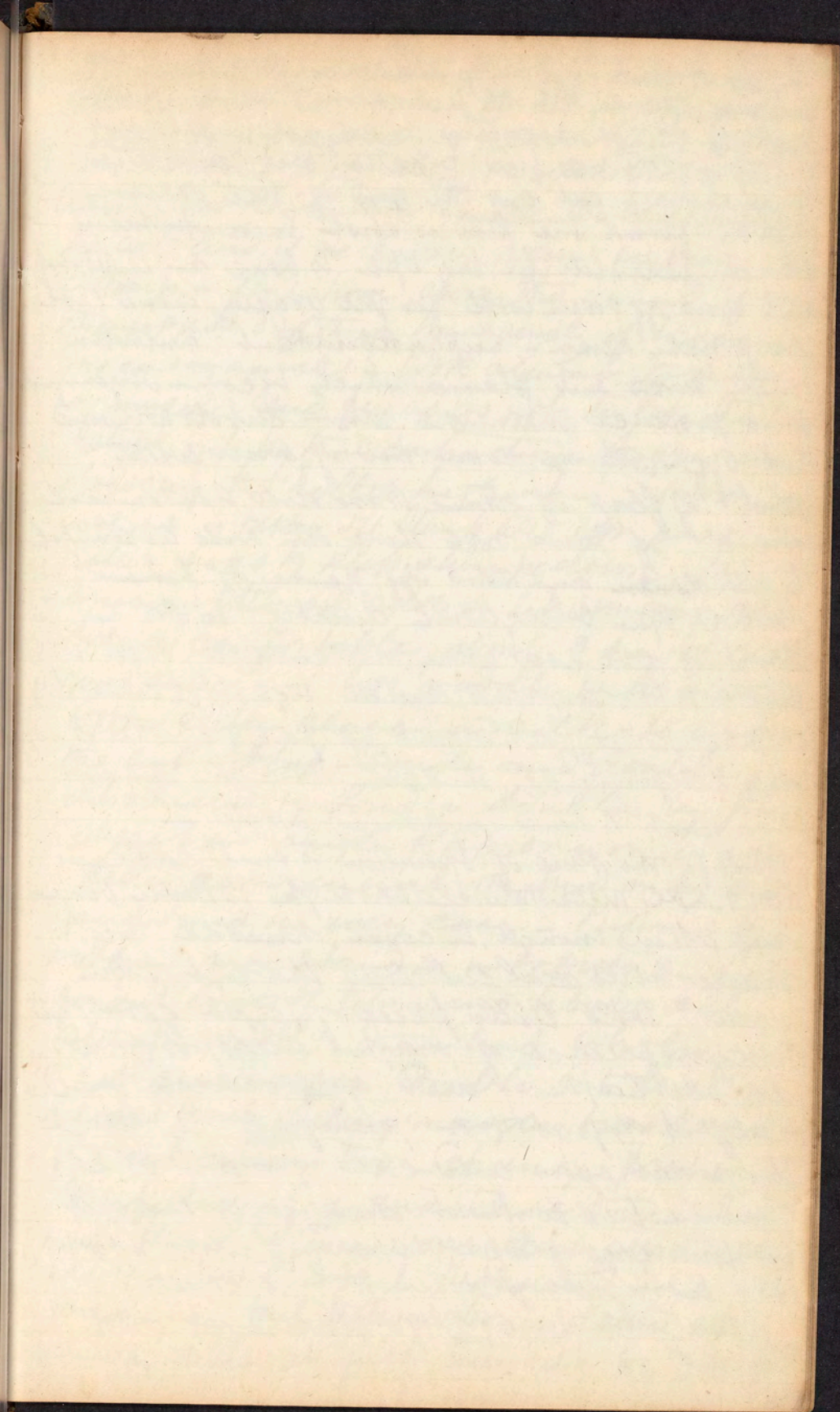
Causes of impotency.—1. Organic. 2. Functional. 3. Moral.

Symptoms.—Depend on the cause.

Diagnosis.

Prognosis.

Treatment.



2.10- amp - limited by plasma forming the modular tissue, the object should be to have a deep for an excruciating or cannot wear a stump. Sometimes find a button this constitutes neuroma - cut out the end of the nerve which forms the tender spot in amputation for circular stump - lay open to bone and about and saw off bone - look for the artery and not for profuse hemorrhage - Supraabundant nutrition will throw out plasma which become oxygenated and produce immense pain - cut down and cut off - Always cover end of bone with plenty of flap if strain there will be circular stump if have not done this will be compelled to cut down and saw off piece of bone. Circular open cutting down directly to bone. Sometimes done now where not enough to give flap - when incisions made right (Lissau's) divide in two and cut up fascia and skin. Superficial muscles retract - divide those next to bone making 3 step -

Modify the kind of operation to suit case. Cardinal rule muscle enough to cover bone and skin enough to cover muscle to make little excruciation the ant skin & mus take little piece of tape get the circumference of thigh supports give double tape and get deane and half it object more painful in large thigh cut even and can get all the vessels tied without danger of lig slip in thin leg flap - shave part to stop the adhesive plaster from sticking elevate limb apply tourniquet not tightened.

Knife Imacula and lig - Retractor -
saw and bone nipper - Dressing simple
Roller band adhesive plaster lint in warm
water and oil silk Surgeon stands out
tumb - Cut ^{1st} skin then Muscle the bone Muscle
the art and if necessary vein expose the
stump - for $\frac{1}{2}$ hour close the wound if on
the upper 3 of third transversely if lower
no consequence - Work always to insertion
of muscle and fix so as not to let the bone
stick out by their contractions. Begin in
dressing the roller high up - as soon as
weight is taken off stump toes ~~off~~ pass the
roller so as to keep stump down, top
dressing little oil silk - let remain as
long as comfortable, about 3 days if not
good surgeon - fix middle with stump
better extra place in silk to wet
the lint - Flap - Single and double
introduced by Lander double by French
except in single flap one or two cut
better as a general method may be
performed in every case - Performed by
cable may stand or in outside feel
for out edge of tibia and fibula call
stump - not $\frac{1}{2}$ draw but whole
4th circumference double cut directly
across limb feeling margin two bands
the cut between two - change position
Knife transfix and thrust bone then
pass Knife between bone and separate
it and mus. 3 tail Retractor and
passing on tail between bones draw up
saw on tibia at first then tilt so as to

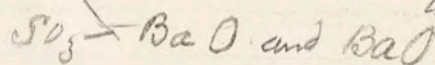
Cut fibula - double flap different in
amputate thigh push knee in cut
parallel to axis of bone far enough (Rav
Coast muscle on opposite side pass
knee to place of existing point of knee
in other cut - divide all muscle
fibres which adhere to bone - saw
bone off - oval stump some only by
cutting with scalpel and then end
like circular - only in Hip joint in
flesh all can be done by the
above -

to and later Transverse. And
 a Bond of caps on the lig between
 the Oligene process and Syn-
 mous - ~~NO~~

To convince chemists secure Hydrogen
 as having the smallest eq vol to represent unity
 consequently all the other combining vol are
 greater than Hydrogen - all are equi-
 ratios or exact multiples of each other.

Danton the discoverer of Atomic theory in the
 one who first adapted the hydrogen scale

Berthollet's Scale peculiar in giving also
 the eq volumes - $H + O$ going to form water are
 converted into one vol of steam weigh 9 -
 water unites 2 ways as Hydrate and Solution the
 first cases the water taking on solid form
 always called water of crystallization. Some
 in crystals all do not contain water pure
 Anhydrous salts the others do and are called hydrates
 salts $BaO_2 + HCl$ and HCl to get double H_2O



Nitrogen - in air. obtain it from this compound
 from filing and sulphur with about ox and lime
 nitrogen - Phosph. do same - Berzelius 1772 was
 not sulphur or with put out Azote. Synonyme.
 A point in bulk of Nitrogen in atmosphere is
 present in animal substances combining vol
 of it is $\frac{1}{2}$ vol then $\frac{1}{2}$ will combine with $\frac{1}{2}$ vol
 of ox

If wt is 3626 condensation is not instant
 here hence the containing volume is equiv - to $2\frac{1}{2}$ vol
 O₂ & O - air is always contain 21 of O₂ one part
 in 200 of CO₂ - $\frac{1}{2}$ part in 1000 - a trace of
 Chlorine in air - is stand of sp. gr of cases
 hence is 1.1 for a spec of H.O. is 1. hence sp gr
 of O₂ is ~~1.103~~ 1.103 of Nitro is
~~1.14~~ 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14
 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14 1.14

Hans Endometrium.

Mitchell Softening is the only change supposed to
 occur in mucous membrane in consequence of
 inflammation. Chronic inflam presents brownish
 appearances. a slaty instead of the bay fluid color
 in acute inflammation: Mucous Membrane may
 be affected from Emphysema or dropsy also
 from blood related secretions &c. Mucous glands
 may be disordered not inflamed
 though often inflammation attacks them
 here they have a central depression which
 comes in consequence of being driven of the
 ducts. Ulcers may be confounded with
 erosions of Stomach from own ligand,
 their ragged edges and deep black fawn
 thickening and want of color.

Simple Erythematous Infl. Stomach.
 Endogastitis is rare, generally the
 effect of an irritant - produced by taking
 large quantities of food in Stomach and
 lying down. Symp. varies from Sense of
 weight to violent burning pain - pain on
 pressure and on change of position often
 shows the disorder - Sympathetic pain should
 not deceive us - Appetite sometimes good when
 condition is of a kind to produce the

SPERMATORRHEA.

Definition.

Causes.

Symptoms.—1st and 2d stage.

Diagnosis.

Prognosis.

Dissection.

Treatment.

Intestines - nausea and vomiting of contents -
 And then secretions sometimes "violent" causes
 Hard - bowels continue unless instant - is laxative
 The tongue should not be infallible some
 times and or red at edge and tip gradually
 becoming yellow and covered - often rough may
 be entirely free from any manifestation.

Symptoms - Symptom - Circulation at first
 inflammatory - and hence heat and dry
 skin though may have heat independent
 as consequence of excited colorific
 function. Skin may be dry - or moist. In
 some effusions symptoms make then appear
 sometimes nervous symptoms prevent the
 increase of pulse respiration may be
 hurried - always have nervous sympathy
 very prominent - delirium of infatigable may
 be from one hour to some days -
 metastasis may be produced by a
 sympathetic circulation - diagnosis very
 easy - may mistake a symptom - that
 dryness will be according to

bind sometimes give a great deal of trouble hence may have to tie it. This arises, in consequence of the valves being broken down and it will bleed very profusely. There is great risk of tying but it gives patient better chance than if we let him morrhage go on, may often stop hemorrhage from the bone by putting pieces of lint soaked in cold water.

FOURTH DIVISION.

AMPUTATION.

Definition. always pay attention to every rule which may

Importance. save blood.

History.

Classification.

Methods. { 1. Circular.
2. Flap, single and double.
3. Oval or oblique.

Time. { 1. Primary.
2. Consecutive.

Place. { 1. In Continuity of limb.
2. In Contiguity of limb.

Circumstance. { 1. Operations of necessity.
2. Operations of choice or complaisance.

Spot. { 1. Operation of necessity.
2. Operations of election.

Causes demanding the operation.

Prognosis.—Favorable circumstances.

1. Youth.
2. Habit somewhat reduced but not too weak.
3. Cheerful temperament.
4. Good general health.
5. Simple disease or accident.
6. Part at some distance from the trunk.
7. The upper extremity.
8. Circumstances of the patient.

Statistics of amputation.

Preparation of patient.

Instruments required.

Dressings.

Accidents.

Accompanying. { 1. Hemorrhage.
2. Excessive pain.
3. Fainting.

Healing if necessary

Secondary. { 1. Hemorrhage.
2. Inflammation of stump.
3. Conical stump.
4. Abscess and sinus of stump.
5. Necrosis or caries of bone.
6. Cystitis.
7. Phlebitis.
8. Metastatic abscess.
9. Gangrene.
10. Hectic fever.

Healing of the stump and changes which take place in the different tissues.

Modification of the constitution.

Amputation.

Primary amp. performed as soon
after the accident as possible.
as soon as reaction amputate. and
before fever sets in. - Causes - the
diverse while supp going - and a
toxic present. more injurious - pray
point sel. between fever and
reaction - through joint contg
in small joint - thro' fine cord
performed. In opposite conditions
continually performed. Amput-
through knee joint - is can't
get get enough soft part - have
tend stump - creating - conical
stump. more difficult flap -
wave well circumstance, per-
one man in 4 dies in all amp -
don't undertake lightly - only
when incapacity necessitates
Prog. young sub. better than
adult and adult - than old
man. R. Habit - one rather ind -
3 - 4 B then have some local disease
has better. The farther from trunk
better. 8. Circumstances. once
was custom to prep an for opus as
open towels give him ether if
want to narcotize give him a
good diet

accidents - Great hemorrhage
very serious. Complication furnish
as quick as possible to get torn
drip sponge in ice water and
hold to stump take astringents
and drip a piece of lint apply
on stump. 2 - Excessive pain
control by ether. 3 - Fainting be
very quick. Stop hold head
down and bring on reaction -
4 don't go on whole Convulsions -
sprinkle face proction Stim
brandy - Second Accidents

1 - Wound come on the leg sup-
erior. Try comp styptic - cold
where limb is sound cut and
take up large vessel - If bad
consti - proper size limb cut
best styptic powder Robin.

Inflam - purple blood been
cold, Always keep muscles down
down by band. If abscess - as soon as
have pulse - open if necrosis

Secondary hem nearly always the fault of the
surgeon who closes the wound too soon - Slight
ozena or profuse bleeding, in first don't take
of dressing apply ice and use Tommy net for
10 or 15 minute, if necessary tighten a second
time. If profuse put on Tommy net open wound
and tie vessel otherwise will not have union
by 1st int -

Inf of Stump - generally find Symp fever at
the very commencement in second dressing
the flaps are red & crusted and distal part. The
is an acid serum, in all probably - the
patient will have erysip - I not actually bleed
Neutral mixture - &c. - In hospital the scar
has a tinge of blue in it, must be very cautious
in abstraction of blood good diet and allay irrita
by Opium &c. Dress Stump with warm practice
and apply early Nitric acid when ulceration
comes on - Conical Stump made by firm band
~~not~~ tight and retraction of skin the bone sticks
out - Must amputate again in some cases
ought never to have - Some result of inflam
from escape of matter - depositing at most distant
part a piece of lint - begun to cure by comp
and roller if fails push up the long piece
dipped in No. 3 - if this fails slit up the
sinus and use stimulating applications -
Necrosis - often made by cutting of edge of
bone don't do it - bad surgery - marked
by dull throbbing pain in middle of Stump recurs
about 3 week greater at night Kruis has
Osteitis, treat by antiphlogistics & soothing
remedies. If bone is dead must amputate
again. Cystitis muddy urine - this often comes
on after large operation treat by Gen principle
Phlebotomy first by tongue forced fever and rigor -
and after intense rigor - hard cord and effusion
of plasma. delirium - require prompt treat
acomp and general ant - but only remedy is a
plaster around whole stump don't bleed from
down for in traumatic Phlebotomy for general
attacks the opened vein Metastatic abscess.

Coming on with difficulty of respiration pain in side
or head ache only remedy is Iunct of Aconite Rat
thick & large blister - Rub up the forces
as much as possible - Gangrene don't reabsorb

Believed Remittent - Solar - Paludal -
miasmatic remittent - I supposed not to
be owing to malarious - lasting by many
week times. can't give quina or arsenic
Disease rapid termination in 2 or 3 days
often - rarely before of day and after 2nd

Conjunctive. Fever - may be remittent or
intermittent - the term is merely an addition
of the symptoms - is any of the fevers
cephalic - may be inf or small Congestive
red eyes - pupils full & hard great throbbing
of temples - and tumefaction of temples
sometimes the head symptoms occur imm
often increase to 2 or 3 times - when appo
sition symptoms produce death - Hung
call it Death Fever - may have consist
of pleura or lungs or viscera - Some
patients die from suffocation in this
form - often often enormously
enlarged - often see this form
dread - sweating fever where the
secretions are remarkably strong suffering
(Cardiac Function prob depends on amount
action assisted by mass and aflux of blood
during the disease other mind may be clear
but last as may have delirium

heart and bowels describes as consumed
dry fire and incessant call for water and
others - seldom assume formidable
shape until 1st 2nd or 3rd attack

until the red line of demarcation is formed
Hectic. Comes on after 2 or 3 weeks may save him
change locality and comes back to see pg 208

are usually of malarious action sometimes
indemic or epidemic - children attacked - rarely
over 30 suffer - mortality very fatal -
3/4 cases in Dolanses soundless. even at
fatally very great instability if pronounced
complication - death more certain - But
in sound men complications -

Locat - Large mass of greenish sand
green great water in look paper

Rosolia to recognize and treat not as a disease of skin but treat according to the period of life - worms dentition - disordered menstruation ^{menstruation} exists in tumors pale around top and reddish base often found with Rosolia at the same time - made by the congestion of capillaries, this congestion may drive the blood out of the tumors. Cucumber and sometimes is a pure disease of the skin when this is case Lard oil & of water Chloroform or cooling lotion to relieve the pain in Chelblains - warm bath by stimulating every part of skin

Erythema Simple
Inflammation of skin - Erysipelas is a
specific inflam - Erythema is not
Some conformed with mild form of Erysip
is a bluish continuing few hours or several
weeks ~~according to~~ the nature
In resolution by scales etc (most simple
kind is made by a blow may pass to
phlegmon). By rubbing together of parts
arising from contact is E - Intertrigo
Erythema in little or large patches

The form of 2 occasionally suppurating
called Phlegmonous - Circumata
and many more - in Rings or well
defined margins - flying 2 - joint when
one Ring appearing on hands aris
or Rotatorius try - Some forms nearly always
occur in persons having a Constitutional taint
as Syphilis - Chronic is most difficult to
manage occurs generally in those who
use the hands in the mechanical
operations. Treat - Dry Dry - Dry generally
accompanied with oedema - of limbs or
anasarca - often found in children not
clean use powder to absorb the acid
humors Scrobbled sage or and animal
Charcoal - Calamine - or Zinc. Carb. Imp
great thing to keep parts perfectly clean
or if the thing is gonorrhea Fowler's
solution - Dry Intertrogo sticking plaster
and hot water - bleeding mercurials and
Iodine grv lotions and grease if they
irritate use powders - Nitrate silver from
10 to 60 grs to 3j.

Erysipelas - An extensive inflammation
of skin subcut tissue or muscle
Simple Edematous Phlegmonous -
Simple has little bubbles under the skin
Tread ache and sometimes furuncles delir
ium 3 venous Erysip - gangrene - skin
swollen skin shining look - affect
skin differently in different subjects always
of specific, when cured proceed by forced tongue
hard pressure (no inflammation in
which blood comes back so suddenly on
removal of pressure as in Erysip

CONSIDERATION OF THE DIFFERENT GENERAL METHODS.

1. Circular Amputation.

History.

Object had in view.

Manner of calculating the flap.

Manner of dividing the tissues.

Reversion of the flap.

Instruments employed

Advantages of the operation.

Cases to which it is most applicable.

2. Flap Operation.

History.

Object had in view.

Manner of calculating the flap.

Manner of dividing the tissues.

Instruments employed.

Advantages of the operation.

Cases to which it is applicable.

3. Oval Operation.

History.

Object had in view.

Manner of calculating the flap.

Manner of dividing the tissues.

Instruments employed.

Advantages of the operation.

Cases to which it is considered applicable.

4. Operation in Continuity of Limb.

History.

Object had in view.

Manner of dividing the tissues.

Instruments required.

Advantages of the operation.

Disadvantages.

Cases to which it is applicable.

5. Operation in Contiguity of Limb.

History.

Object had in view.

Manner of dividing the tissues.

Instruments required.

Advantages of the operation.

Disadvantages.

Cases to which it is applicable.

SPECIAL AMPUTATIONS.

1. *Of the Upper Extremity.*

These consist of amputations of the Phalanges, metacarpo-phalangeal articulations, metacarpal bones, separately or collectively, metacarpo-carpal joints, radio-carpal articulations, of the fore-arm, elbow-joint, arm, shoulder-joint and shoulder-blade with the arm.

2. *Of the Lower Extremity.*

These consist of amputations of the Phalanges, metatarso-phalangeal articulations, metatarso-tarsal, ankle joint, leg, at the knee joint, thigh, and hip joint.

RESECTION OF BONES.

Definition.

History.

Classification—

1. Those practiced in the continuity of a bone.
2. Those practiced in the contiguity.
3. Those in which the bone is extracted entire.

Cases calling for resection.—Caries, necrosis, osteo sarcoma, spina ventosa, compound and comminuted fractures, gunshot injuries, and compound luxations.

Counter indications.

Prognosis.

Time of performance.

Instruments and apparatus.

Special application.

Chlorine - Best obtain from NaCl MnO_2
 H_2SO_4 NaO_2SO_3 MnO_2SO_3

or $\text{NaCl} + \text{MnO}_2 + \text{H}_2\text{SO}_4 = \text{Cl}_2$ NaO_2SO_3
 MnO_2SO_3 - Cl_2 gas & H_2SO_4 - 3 sp gr 2.5 -
 yellowish green Scheele 1774 - 19 vol 1
 is an inflammable gas - Compound with
 chlorine generally called chlorides

Compounds with O_2 - Hypochlorous acid
 chlorous acid Chloric acid and
 hypochloric acid - made by
 $\text{HgO} + \text{Cl}_2 = \text{HgCl}_2 + 2\text{ClO}$ - ClO
 yellowish green gas = 44 - 2. Chlorous
 acid (ClO_2) made by $2(\text{ROClO}_2) + \text{H}_2\text{SO}_4$
 $= 2(\text{ROSO}_3) + 2\text{ClO}_2$ again $\text{ROClO}_2 =$

2ClO_2 and ROClO_2 is a yellowish
 chloric ClO_3 - RO , HO and ClO_3
 never been obtained pure from water
 & Hypochloric acid made
 of - from the residue of the
 process for obtain chlorous acid

Bossaneti says in Essay of salts
 that Tart Ant with chloride the pure
 just stage - Nitrate Silver in Sol of
 H_2SO_4 to dry with cut short when
 taken internally acetate of lead and
 sand - very good dry powder Calam
 & Chalk $\frac{3}{4}$ to $\frac{3}{4}$ - may have rubbed
 according to the pulse sometimes

Mitchell Thomas of Dunotto

Spina Intus. Heat much - effusion - emetics
warm water allowed to cool to proper temperature
or sulphur - They are generally in use
useless because of the gastric distress
but sometimes their good effect over-
balances their bad - patient often not
delirious but pain in front of head very
intense - vomitings - cold to hands feet & limbs
and manducaria - blood letting local
if given last 2 or 3 days - great benefit
from blisters to wrists and ankles -
great irritability of stomach a new
symptom in this disease - hence an
early sucking cupping necessary to lack
of great use - often organ very much
contracted and inflamed - salivary but
of use - 30 grains - stomach Plumb
acet - $\frac{1}{2}$ gr once semi hora - cold water
ice & - general opinion of Physicians is that
bark is not useful - in some epidemics however
this does not appear to be proved - Sulph
of Quina may be tried - Mercury -

Treatment of Second Stage. The symptoms which
anticipate seem to be admissible -
argentea rubra -

with Hyoscinum & Opium and the
narcotics. the anacardiac oil is very
good

Dunghison's Classification of Diseases of Chest.

I Involving mucous lining	Laryngo Tracheitis Bronchitis	General Capillary
---------------------------	----------------------------------	-------------------

II Cells plus Areolar Tissue	Pneumonia Gangrene Edema Emphysema Cancer Melanosis Tubercle.
------------------------------	---

Essentially	Spasm of the Glottis. Asthma Whooping Cough Hiccough
-------------	---

III Nervous.

IV Involving Pleura

Pleuritis Hydrothorax Pyothorax Pneumothorax

V Owing to the non-circulation of Arterial into Venous Blood

Apnoea

3 stage - pulse compress and irregular
sometimes only 31 or 3 very infar sign -
countenance pinched pale and contracted
pale - Hippocratic skin loses its
yellow appearance stomach retains
nothing and gives black vomit -
or coffee ground vomit - Bowels give
away and eject a black matter -
human hages (supra) - blood in in
form surface - in consequence of
deficiency of power in exhalants -
may be complicated in various forms -
Brown often attacks lungs - entirely gas
might here be taken for case of poisoning
in suppurative in necrosis
Sometimes patient dies as late as 20 day -
when the symp. increased on 10th day
patient generally recovers - Mortality
moderate 46 in 100 - 5 out 4 - general
mortality in 2% Among children suffer
women suffer less than men -
Among phys. less mortal. Red Black and
yellow less liable than fair skin
Residence a marked effect - in prison
don't occur 2nd time very often -
even residence in hot climate great benefit
in overcoming its violence
Remember in prognosis - Pathology

12.5
16
7.5
12.5
200.0

great weakness peculiar in expression
of eyes of tearful and pink very delicate
no other disease gloomy with sad ting
ed - stomach does power of retaining
anything very feebly have bile vomited
greenish liquid at some times mistaken
respiration sometimes rapid some
slow pulse first frequent full &
slow becomes quick and hard
lungs smooth or soft or flabby -
after a time acid at tip and edges
thick according to same - owing to a
burning sense at stomach -
Bowels usually costive - Last 4 hrs
153 days from 36 to 48 hrs -

2nd Remission of nearly all
symptoms - pulse weak yellowish
continues - neck breast and trunk
bowels hard torpid patient often gets off
often terminate and - from 153
hours some 24

The *forma* *vera* - Milk sickness parasitic and Cryptogamic
milk sick for stomach the best thing for
stomach carb of Alkalies - Inf and Enlarg
of ab abdominal viscera - animal prob
when introduced into stomach cause no bad
effects generally speaking parasitic only
dangerous at night - the plant therefore
must lose their poisonous properties by being
dried - The disease of many visible fungi
often simulate in their symptoms these not
virulent

Yellow Fever - commonly stains skin yellow
or Black vomits putrid and Ship Fever - Hypert
Scleroder - Rust or Bellows Remittent Fever
One paroxysm - 3 stages - usually in 7
days - in fatal cases yellow skin and
Black vomit - 1st Stage active Fever
2 most disappear and almost well
apparently - 3 - Collapse -

1 - The paroxysm slight chill
pain back of neck - hot dry skin great
gastric uneasiness pain Ep - gas
debility in skin dry and culture

Median line from Sternum
to chin ant border of quadrangular
space in neck divided
into 2 portions by Sternocl.
inf boundary of 1st large giant
triangle and great post triangle
apex^d at base of low 2. The
Base the Clavicle apex
mastoid process — Digastric
muscle connected with Sterno Hyoid
this forms the Submax triangle
middle line of neck band of of the
Sterno Post triangle. Digastric
Ant border and post belly sup
and called sup carotid triangle
3rd triangle from ant belly
and Hyoid by middle line
of neck Post belly
is the inferior great carotid
triangle —

Thomas J. Dunott M.D.
William McKeen

Lincum cut; Ammon. Comp.
 8th Lot of Ammon. $\sqrt{3}$
 In a Camphore $\frac{1}{2}$ y
 Sp + Rosmarinus $\frac{1}{2}$ y } Red Phan

The of Bennett's School
 and College



Thomas

Thomas

Thomas J. Bennett

Thomas

Thomas J. Bennett

Mitchell

The
 Fine
 6 - 100

4

4

3.4.11

see pg 88 for preparations of mercury

C. B. Rodgers -

ST. MARY'S HOSPITAL
MEDICAL LIBRARY

Nitrogen (Order of)
Carbon (Manner of)
Hydrogen (Preparation)
Oxygen (Preparation)
20
R O S O₂

℞ Syr. Senega - ℥ss.

Syr. Scilla.

M. Opium - Camph. an ℥j

M. Antim. ℥ss.

M. Elig. Lat. - ℥ss.

℞ Dissent. Sp. S. S. S. every 2 hours

℞ Bals. Tolu - ℥j. Will

Syr. Senega - ℥j

Gum. Acac. - ℥j

Syr. Sassafras - ℥j

M. Opium - Camph. - ℥j

M. M. Elig. Lat. - ℥ss.

Brew Spirit Thomas J. Burnett Jr
Thomas J. Burnett

Thomas J. Burnett Jr
Brew Spirit in a liquid water
holding in still tank H_2CO_3
gas liquid

Agitation solution in
the liquid water liquid water
liquid water liquid water
liquid water liquid water

liquid water liquid water
liquid water liquid water
liquid water liquid water

liquid water liquid water
liquid water liquid water
liquid water liquid water

liquid water liquid water
liquid water liquid water
liquid water liquid water

U. S. Dispensary. Presc. for 507
R
To 14 g. 617

ST. MARY'S HOSPITAL
MEDICAL LIBRARY

Take
Am. 34 Gl. and 10, 2

Am. 20, 2 1/2

R Potass Carb. 3j
Ol Lemons m
Acid Cit. a. sat

R Potass Citrus 3ij
Aqua Font 3ij
Spt. Ether 3ij
Syr. Ipecac 3ij
Tablet Sprungul

